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Description of document: List of National Aeronautics and Space Administration (NASA) Technical Documents in the Aeronautics and Space Database (non-public NASA Technical Report Server) for all reports citations that include the term "Limited Distribution" in the Restriction on Access field, 1940-1959

Request date: 2009

Released date: 16-December-2009

Posted date: 20-April-2015

Source of document: Freedom of Information Act Request
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From: "Mcconnell, Stephen (HQ-NB040)"
Date: Wed, 16 Dec 2009 13:51:22 -0600
Cc: "STEEMAN, GERALD A. (LARC-B7)"
Subject: FOIA Response

December 16, 2009

09-HQ-F-00278

This is our final response to your Freedom of Information Act request which we discussed on narrowing the scope in our previous email correspondence and telephone communications.

After review of the responsive material provided to this office, we have enclosed a listing of information which was compiled from '40s and '50s, in full without any redactions or pages withheld under the exemptions listed in Title 5, United States Code, §552 of the Freedom of Information Act.

Any further questions concerning this request should be directed to the undersigned.

I trust this will be of assistance to you.

1,195 citations – Limited Distribution – 40s and 50s era.

Title (Incl. Subtitle): Flight Determination of the Longitudinal Stability Characteristics of a 0.133-Scale Rocket-Powered Model of the Consolidated Vultee XFY-1 Airplane without Propellers at Mach Numbers from 0.73 to 1.19, TED No. NACA DE 369

Author: Hastings, Earl E., Jr.; Mitcham, Grady L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54B03A

Document ID (CASI): 20050030055

Publication Date: February 03, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of Altitude-Wind-Tunnel Investigation of X34C-4B Turbojet Engine

Title: Number of Part: 3

Title: Name of Part: Compressor Performance

Author: Dupree, David T.; Thorman, H. Carl

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE7L12A

Document ID (CASI): 20050019311

Publication Date: December 12, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms July 12, 1947 to July 18, 1947 at Clinton County Army Air Field, Ohio

Author: Funk, Jack

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7L08

Document ID (CASI): 20050019471

Publication Date: December 08, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Large-Scale Flight Measurements of Zero-Lift Drag at Mach Numbers from 0.87 to 1.39 of 1/10-Scale Models of the Northrop MX-775A Missile

Author: Gillespie, Warren, Jr.; Arbic, Richard G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL51K07

Document ID (CASI): 20050030052

Publication Date: November 07, 1951

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Hydrodynamic Characteristics of an Aerodynamically Refined Planing-Tail Hull

Author: McKann, Robert; Suydam, Henry B.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L8G16

Document ID (CASI): 20050019278

Publication Date: July 16, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): MAGNETIC STORMS AND THE VAN ALLEN RADIATION BELTS-
OBSERVATIONS FROM SATELLITE 1958 EPSILON /EXPLORER IV/
Author: Mc Ilwain, C. E.; Rothwell, P.
Author Affil.: State Univ. of Iowa; State Univ. of Iowa
Accession Number: 63X81812
Report Number: NASA-CR-51777; SUI-59-25
Document ID (CASI): 19630044401
Publication Date: Dec 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Structural Vulnerability of the Boeing B-29 Aircraft Wing to Damage by Warhead
Fragments
Author: Kordes, Eldon E.; OSullivan, William J., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National
Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L52H01A
Document ID (CASI): 20050010183
Publication Date: [August 1952]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Spinning and Tumbling Characteristics of a 1/20-Scale Model of
the Consolidated Vultee XFY-1 Airplane in the Free-Spinning Tunnel, TED No. NACA DE 370
Author: Lee, Henry A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL52L10
Document ID (CASI): 20050029463
Publication Date: [December 1952]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Static Longitudinal Stability Characteristics of a
0.15-Scale Model of the Hermes A-1E2 Missile at High Subsonic Mach Numbers
Author: Alford, William J., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL52I10
Document ID (CASI): 20050029458
Publication Date: September 11, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Feasibility study of a high mass ratio motor
Author: Juran, C. E.
Author Affil.: Grand Central Rocket Co.
Accession Number: 74X70867
Report Number: NASA-CR-136607; GCR-P-0002-60
Document ID (CASI): 19740081281
Publication Date: Dec 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Project Mercury: Mercury radio command control system
Author: Kyle, H. C.
Author Affil.: NASA Langley Research Center
Accession Number: 73X77896
Report Number: NASA-TM-X-69169; WORKING-PAPER-119
Document ID (CASI): 19730074317

Publication Date: Dec 21, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A THEORETICAL AND EXPERIMENTAL STUDY OF THE PHYSICAL PROPERTIES OF THE IONOSPHERE BY MEANS OF SATELLITE RADIO TRANSMISSIONS
PROGRESS REPORT NO. 1, JULY 1 - DEC. 10, 1959

Author: Swanson, G. W., Jr.

Author Affil.: Illinois Univ.

Accession Number: 63X81646

Report Number: NASA-CR-51216

Document ID (CASI): 19630044235

Publication Date: Dec 20, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Computation of the burnout velocity of a three stage rocket vehicle

Author: Donnelly, H. L.

Author Affil.: American Research and Mfg. Corp.

Accession Number: 64X81947

Report Number: NASA-CR-58336; TR-329-001

Document ID (CASI): 19640059922

Publication Date: Dec 19, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Derivation and Tabulation of Molecular Integrals. Supplement I - Tables for Two-Center One-Electron Nuclear-Attraction, Overlap, and Potential- and Kinetic-Energy Integrals

Author: Sahni, Roop C.; Cooley, James W.

Author Affil.: New York Univ.; New York Univ.

Report Number: NASA-TN-D-146-I

Document ID (CASI): 20080021721

Publication Date: December 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The ten year plan of the national aeronautics and space administration

Accession Number: 64X80466

Document ID (CASI): 19640058444

Publication Date: Dec 18, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): LUNAR SOFT LANDING STUDY

Author: Sparks, O. L.

Author Affil.: Army Missile Command

Accession Number: 63X81720

Report Number: NASA-CR-51675; ABMA-BLS-TN-26-59

Document ID (CASI): 19630044309

Publication Date: Dec 17, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): PROJECT ABLE-4, DEEP-SPACE PROBE. DETAILED TEST OBJECTIVES

Accession Number: 63X82357

Report Number: NASA-CR-51192; STL/TR-59-R002-00595

Document ID (CASI): 19630044945

Publication Date: Dec 10, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Transonic flutter investigation of models of T-tail of Blackburn NA-39 airplane
Author: Farmer, M. G.; Jones, G. W., Jr.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X80118
Report Number: NASA-TM-SX-242
Document ID (CASI): 19710081530
Publication Date: Dec 9, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Derivation and Tabulation of Molecular Integrals
Author: Sahni, Roop C.; Cooley, James W.
Author Affil.: New York Univ.; New York Univ.
Report Number: NASA-TN-D-146
Document ID (CASI): 20060056397
Publication Date: December 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Specification for rocket propulsion system AGC model AJ10-118 for Stage 2 NASA
- Delta space research vehicle
Accession Number: 74N74479
Report Number: NASA-CR-58758; REPT-60-SBXPZ-2; REPT-7843077-B
Document ID (CASI): 19740076540
Publication Date: Dec 4, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X81987
Report Number: NASA-CR-51354; SM-36307
Document ID (CASI): 19630044576
Publication Date: Dec 4, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): TEN-YEAR PLAN
Accession Number: 63X82764
Report Number: NASA-CR-52885; JPL-PUBL.-31-2
Document ID (CASI): 19630045350
Publication Date: Dec 3, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Saturn report
Accession Number: 64X80215
Report Number: NASA-TM-X-50787
Document ID (CASI): 19640058212
Publication Date: Dec 3, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): RADIATION LEVELS VERSUS GEOMAGNETIC LATITUDE AT 5,600 NAUTICAL
MILES ABOVE SURFACE TECHNICAL REPORT
Author: Arnoldy, R. L.; Hoffman, R. A.; Winckler, J. R.
Author Affil.: Minnesota Univ.; Minnesota Univ.; Minnesota Univ.
Accession Number: 63X82574
Document ID (CASI): 19630045160

Publication Date: Dec 2, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): FINAL HAZARDS SUMMARY, NASA PLUM BROOK REACTOR FACILITY, PART I

Author: Davis, A. B.; Hallman, T. M.; Lubarsky, B.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center; NASA Lewis Research Center

Accession Number: 63X81669
Report Number: NASA-TM-X-50392
Document ID (CASI): 19630044258
Publication Date: Dec 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): FINAL HAZARDS SUMMARY, NASA PLUM BROOK REACTOR FACILITY, PART III

Accession Number: 63X81770
Report Number: NASA-TM-X-50688
Document ID (CASI): 19630044359
Publication Date: Dec 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): STUDY OF APPLICATION OF SOLID BOOSTERS TO SPACE VEHICLES /U/ FINAL REPORT

Author: Hirsch, J.; Rattin, E. J.
Accession Number: 63X81935
Report Number: NASA-CR-51846; C-710
Document ID (CASI): 19630044524
Publication Date: Dec 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X81985
Report Number: NASA-CR-51157; SM-36344
Document ID (CASI): 19630044574
Publication Date: Dec 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): FINAL HAZARDS SUMMARY NASA PLUM BROOK REACTOR FACILITY, PART II

Accession Number: 63X82557
Report Number: NASA-CR-51387
Document ID (CASI): 19630045143
Publication Date: Dec 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Propulsion group development report
Accession Number: 66X80698
Report Number: NASA-TM-X-57095
Document ID (CASI): 19660089142
Publication Date: Dec 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Operation plan, project tiros
Accession Number: 64X80472
Report Number: NASA-TM-X-51426
Document ID (CASI): 19640058450
Publication Date: Dec 1, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Feasibility study of a high mass ratio motor
Author: Juran, C. E.
Author Affil.: Grand Central Rocket Co.
Accession Number: 74X71194
Report Number: NASA-CR-136464; MPR-6; GCR-P-0064-59
Document ID (CASI): 19740081608
Publication Date: Nov 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight control system technical report for Little Joe project
Accession Number: 74N71568
Report Number: NASA-CR-52649; MD-59-328
Document ID (CASI): 19740073629
Publication Date: Nov 27, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Design modification study of the NASA Scout vehicle for Air Force 609-a system study no. 4
Author: Green, M.; Gustafson, K. A.; Randall, F. W., Jr.
Author Affil.: Chance Vought Corp.; Chance Vought Corp.; Chance Vought Corp.
Accession Number: 65X80040
Report Number: NASA-CR-59503; E9R-12414
Document ID (CASI): 19650077628
Publication Date: Nov 6, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): OUTER ATMOSPHERES OF THE EARTH AND PLANETS
Author: Jastrow, R.
Author Affil.: NASA Goddard Space Flight Center
Accession Number: 63X81662
Report Number: NASA-TM-X-50373
Document ID (CASI): 19630044251
Publication Date: Nov 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Research on solar ultraviolet radiation quarterly status report, 1 aug. - 1 nov. 1959
Author: Rense, W. A.
Author Affil.: Colorado Univ.
Accession Number: 67X82859
Report Number: NASA-CR-83223; QSR-1
Document ID (CASI): 19670090479
Publication Date: Nov 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Delta monthly technical progress report
Accession Number: 66X81639

Report Number: NASA-CR-71978; SM-36311
Document ID (CASI): 19660090080
Publication Date: Nov 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Nasa 609a space research program monthly production status report no. 2, 15 oct. - 15 nov. 1959

Author: Scharf, W.

Author Affil.: Honeywell, Inc.

Accession Number: 65X80837

Report Number: NASA-CR-60669; MDL-0039-PR2

Document ID (CASI): 19650078422

Publication Date: Nov 1, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): [No Title]

Accession Number: 63X82008

Report Number: NASA-CR-51353; SM-36191

Document ID (CASI): 19630044597

Publication Date: Oct 31, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): DELTA SEMI-ANNUAL TECHNICAL PROGRESS REPORT N. MAY - OCTOBER 1959

Accession Number: 63X82470

Report Number: NASA-CR-51493; SM-36170

Document ID (CASI): 19630045057

Publication Date: Oct 31, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Plug nozzle program

Author: Graham, A. R.

Author Affil.: General Electric Co.

Accession Number: 74X76485

Report Number: NASA-CR-13992; QR-2

Document ID (CASI): 19740086899

Publication Date: Oct 31, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): VEGA

Accession Number: 74X72891

Report Number: NASA-CR-137137; AZR-57-001-5

Document ID (CASI): 19740083305

Publication Date: Oct 31, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Plug nozzle program

Author: Machell, W. G.; Graham, A. R.

Author Affil.: General Electric Co.; General Electric Co.

Accession Number: 74X71289

Report Number: NASA-CR-136596; QR-2

Document ID (CASI): 19740081703

Publication Date: Oct 31, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Feasibility study of a high mass-ratio motor
Author: Juaran, C. E.
Author Affil.: Grand Central Rocket Co.
Accession Number: 73X81658
Report Number: NASA-CR-136117; MPR-5; GCR-P-0054-59
Document ID (CASI): 19730078078
Publication Date: Oct 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): TEST FLIGHT AM-19A
Accession Number: 63X82263
Report Number: NASA-TM-X-50113
Document ID (CASI): 19630044852
Publication Date: Oct 26, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Nasa f-1 engine program third quarterly progress report, 1 jul. - 30 sep. 1959
Author: Aldrich, D. E.
Accession Number: 64X80681
Report Number: NASA-CR-55996; R-1555-3
Document ID (CASI): 19640058659
Publication Date: Oct 20, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): PRELIMINARY DESIGN INFORMATION FOR SATURN SECOND AND THIRD STAGES
Accession Number: 63X82440
Report Number: PDSA-195-59; NASA-CR-141066
Document ID (CASI): 19630045027
Publication Date: Oct 19, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Astronautics information literature search no. 143, supplement
Author: Barber, E.; Sweitzer, D.
Author Affil.: Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.
Accession Number: 65X80500
Report Number: NASA-CR-50690; JPLA/LS-143
Document ID (CASI): 19650078086
Publication Date: Oct 15, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Monthly progress report, September 1959
Accession Number: 75X70657
Report Number: NASA-CR-141174; MPR-7; S-121649
Document ID (CASI): 19750073265
Publication Date: Oct 6, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): ON BOUNDARY LAYERS ASSOCIATED WITH OSCILLATING STREAMS
Author: Kestin, J.; Maeder, P. F.; Wang, H. E.
Accession Number: 63X82929

Report Number: NASA-CR-55099
Document ID (CASI): 19630045515
Publication Date: Oct 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): AFSAV 510A signal recorder/reproducer
Accession Number: 69X72360
Report Number: NASA-CR-99923; AFSAV-510A
Document ID (CASI): 19690088844
Publication Date: Oct 1, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Lunar exploration with saturn-boosted systems interim technical report
Accession Number: 64X80303
Report Number: NASA-TM-X-50791; DV-TR-3-59
Document ID (CASI): 19640058281
Publication Date: Oct 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): DELTA MONTHLY TECHNICAL PROGRESS REPORT, ISSUE NUMBER 4
Accession Number: 63X82028
Report Number: NASA-CR-51356; SM-36067
Document ID (CASI): 19630044617
Publication Date: Sep 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Feasibility study of a high mass ratio motor
Author: Juran, C. E.
Author Affil.: Grand Central Rocket Co.
Accession Number: 74X70021
Report Number: NASA-CR-136248; MPR-4; GCR-P-0047-59
Document ID (CASI): 19740080435
Publication Date: Sep 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): VEGA
Accession Number: 74X71301
Report Number: NASA-CR-136703; AZR-57-002-2-VOL-2
Document ID (CASI): 19740081715
Publication Date: Sep 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Highlights of selected nasa space programs quarterly progress report no. 3, 1 jul. - 30 sep. 1959
Accession Number: 64X80794
Report Number: NASA-TM-X-51588
Document ID (CASI): 19640058772
Publication Date: Sep 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Progress report, 22 August - 22 September 1959
Accession Number: 75X71254
Report Number: NASA-CR-141965; PR-2

Document ID (CASI): 19750073862
Publication Date: Sep 22, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ephemeris data /u/
Accession Number: 68X82828
Report Number: NASA-CR-91916; LMSD/372218
Document ID (CASI): 19680088053
Publication Date: Sep 21, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experiments on, and analyses of, the dynamics of a topping turbine cycle
Author: Smith, J. R.
Author Affil.: Aerojet-General Corp.
Accession Number: 74X76300
Report Number: NASA-CR-139918; REPT-0307-01-1
Document ID (CASI): 19740086714
Publication Date: Sep 17, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): AN ANALYTIC STUDY OF THE BLAST EFFECT OF AN ATLAS IN-FLIGHT EXPLOSION ON THE MERCURY CAPSULE
Author: Anthony, F. B., Jr.
Accession Number: 63X82546
Report Number: NASA-CR-50989; ZA-7-167
Document ID (CASI): 19630045132
Publication Date: Sep 16, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Monthly progress report, August 1959
Author: Kimball, A. R.
Author Affil.: Bell Aerosystems Co.
Accession Number: 75X70654
Report Number: NASA-CR-141179; MPR-6; S-121294
Document ID (CASI): 19750073262
Publication Date: Sep 14, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega program second stage propulsion x405h rocket engine
Accession Number: 66X80456
Report Number: NASA-CR-68671
Document ID (CASI): 19660088901
Publication Date: Sep 11, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 68X82827
Report Number: NASA-CR-91915; LMSD/372217
Document ID (CASI): 19680088052
Publication Date: Sep 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Chromium plating, hard, thin process specification

Author: Oliver, G. W.
Accession Number: 67X88358
Report Number: NASA-CR-88849; REPT.-27-08824; AD-817339L
Document ID (CASI): 19670095970
Publication Date: Sep 1, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Monthly progress report, 1-31 August 1959
Accession Number: 74X76475
Report Number: NASA-CR-139914; MPR-6
Document ID (CASI): 19740086889
Publication Date: Aug 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Feasibility study of a high mass-ratio motor
Author: Juran, C. E.
Author Affil.: Grand Central Rocket Co.
Accession Number: 73X81657
Report Number: NASA-CR-136116; MPR-3; GCR-P-0038-59
Document ID (CASI): 19730078077
Publication Date: Aug 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): TEN-YEAR SUPPORTING-RESEARCH PROGRAM
Accession Number: 63X82944
Report Number: JPL-PUBL-31-1
Document ID (CASI): 19630045530
Publication Date: Aug 21, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Office of Space Sciences ten year program: 1959 long range thinking (U)
Accession Number: 72X75016
Report Number: NASA-TM-X-66790
Document ID (CASI): 19720073792
Publication Date: Aug 17, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Light sources for the simulation of solar radiation
Accession Number: 64X80543
Document ID (CASI): 19640058521
Publication Date: Aug 11, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Monthly progress report, July 1959
Accession Number: 75X70647
Report Number: NASA-CR-141136; S-120844; MPR-5
Document ID (CASI): 19750073255
Publication Date: Aug 4, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The vega program
Author: James, J. N.
Author Affil.: ED.

Accession Number: 65X85098
Report Number: NASA-CR-67517; JPL-30-6
Document ID (CASI): 19650082674
Publication Date: Aug 3, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): APPENDIX AERONAUTICAL AND SPACE RESEARCH PROGRAM
Accession Number: 63X82125
Report Number: NASA-TM-X-50789
Document ID (CASI): 19630044714
Publication Date: Aug 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): THE TITLE OF THIS REPORT IS SECRET OR UNDESIGNATED AND IS OMITTED FROM THE CITATION
Author: Doll, E. B.; Thiel, A. K.
Author Affil.: Space Technology Labs., Inc.; Space Technology Labs., Inc.
Accession Number: 63X82278
Report Number: NASA-CR-51683; STL-TR-59-R001-00601
Document ID (CASI): 19630044866
Publication Date: Aug 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega project second stage propulsion
Accession Number: 74X72851
Report Number: NASA-CR-136235; MR-5
Document ID (CASI): 19740083265
Publication Date: Aug 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Space programs summary no. 4 for the period 15 May 1959 to 15 July 1959 (U)
Accession Number: 72X75006
Report Number: NASA-CR-119105; JPL-SPS-4
Document ID (CASI): 19720073782
Publication Date: Aug 1, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Experimental performance of a 200 pound thrust liquid-pentaborane liquid-hydrazine rocket
Author: Richmond, R. J.
Author Affil.: NASA Lewis Research Center
Accession Number: 69X76790
Report Number: NASA-TM-X-58
Document ID (CASI): 19690093267
Publication Date: Aug 1, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Plug nozzle program
Author: Graham, A. R.
Author Affil.: General Electric Co.
Accession Number: 74X76472
Report Number: NASA-CR-139920; QR-1
Document ID (CASI): 19740086886

Publication Date: Jul 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Monthly progress report, 1-31 July 1959
Author: Williams, T. B.; Huson, G.
Author Affil.: Callery Chemical Co.; Callery Chemical Co.
Accession Number: 74X75086
Report Number: NASA-CR-139276; MPR-5
Document ID (CASI): 19740085500
Publication Date: Jul 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Plug nozzle program
Author: Machell, W. G.; Graham, A. R.
Author Affil.: General Electric Co.; General Electric Co.
Accession Number: 74X71288
Report Number: NASA-CR-136595; QR-1
Document ID (CASI): 19740081702
Publication Date: Jul 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Feasibility study of a high mass-ratio motor
Author: Juran, C. E.
Author Affil.: Grand Central Rocket Co.
Accession Number: 74X71191
Report Number: NASA-CR-136467; MPR-2; GCR-P-0033-59
Document ID (CASI): 19740081605
Publication Date: Jul 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Delta monthly progress report for the month of July 1959
Accession Number: 66X81612
Report Number: NASA-CR-51636; SM-36030
Document ID (CASI): 19660090053
Publication Date: Jul 31, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Nasa f-1 engine program quarterly progress report no. 2, 1 apr. - 30 jun. 1959
Accession Number: 66X81025
Report Number: NASA-CR-70008; R-1555-2
Document ID (CASI): 19660089469
Publication Date: Jul 30, 1959
Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): Monthly progress report, 1-30 June 1959
Author: Williams, T. B.; Huson, G.
Author Affil.: Callery Chemical Co.; Callery Chemical Co.
Accession Number: 74X76480
Report Number: NASA-CR-139979; MPR-4
Document ID (CASI): 19740086894
Publication Date: Jul 22, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Toward a rationale for a national space program
Accession Number: 65X82474
Report Number: NASA-CR-63327; R-349-NASA
Document ID (CASI): 19650080056
Publication Date: Jul 22, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega project, second stage propulsion
Accession Number: 74X70022
Report Number: NASA-CR-136247; MR-4
Document ID (CASI): 19740080436
Publication Date: Jul 18, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X81990
Report Number: NASA-CR-51352; SM-36012
Document ID (CASI): 19630044579
Publication Date: Jul 15, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Monthly progress report, June 1959 no. 4, for June 1959
Accession Number: 75X71010
Report Number: NASA-CR-141126; S-120570-4; MPR-4
Document ID (CASI): 19750073618
Publication Date: Jul 15, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preparation and unexpected detonation of magnesium-coated ammonium perchlorate
Author: Franzgrote, E.; Stembridge, C.
Author Affil.: Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.
Accession Number: 74X74233
Report Number: NASA-CR-138571; JPL-PR-30-13
Document ID (CASI): 19740084647
Publication Date: Jul 10, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Detailed test objectives, project able-3, earth satellite
Accession Number: 66X83302
Report Number: NASA-CR-75478; STL-59-0000-00556
Document ID (CASI): 19660091738
Publication Date: Jul 7, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some research on the lift and stability of wing-body combinations
Author: Fields, E. M.; Purser, P. E.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 69X76955
Report Number: NACA-RM-L55G06A
Document ID (CASI): 19690093432
Publication Date: Jul 2, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Preliminary study of capsule recovery for the first series of Project Mercury orbital flights

Accession Number: 74N71060

Report Number: NASA-CR-51488; PDR-226A-2

Document ID (CASI): 19740073121

Publication Date: Jul 1, 1959

Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): DELTA LUNAR PROBE CAPABILITIES

Accession Number: 63X82465

Report Number: NASA-CR-51428; SM-36024

Document ID (CASI): 19630045052

Publication Date: Jul 1, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Forming of Inconel X

Author: Germann, R.; Shaver, C. J.

Author Affil.: Republic Aviation Corp.; Republic Aviation Corp.

Accession Number: 73X74624

Report Number: NASA-CR-131664; ITR-3

Document ID (CASI): 19730071045

Publication Date: Jul 1, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal aerodynamic characteristics of ten booster-glider models for Project Dyna-soar at Mach numbers of 0.7 and 1.0

Author: Trescot, C. D., Jr.; West, F. E., Jr.; Wiley, A. N., Jr.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X77303

Report Number: NASA-TM-SX-67; AFAM-193

Document ID (CASI): 19710078720

Publication Date: Jul 1, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation of the lift and drag characteristics of a Lockheed WS-125A airplane model at Mach numbers from 0.40 to 0.96

Author: Dickey, R. R.

Author Affil.: NASA Goddard Space Flight Center

Accession Number: 71X77305

Report Number: NASA-MEMO-SX-108; AF-AM-174

Document ID (CASI): 19710078722

Publication Date: Jul 1, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Studies of use of the scout as a booster vehicle for lunar exploration

Author: Mayo, W. L.; Michael, W. H., Jr.; Tolson, R. H.

Author Affil.: NASA Manned Spacecraft Center; NASA Manned Spacecraft Center; NASA Manned Spacecraft Center

Accession Number: 66X80459

Report Number: NASA-TM-X-56468

Document ID (CASI): 19660088904

Publication Date: Jul 1, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X82447
Report Number: NASA-CR-51609; AZR-57-002-1
Document ID (CASI): 19630045034
Publication Date: Jun 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): DELTA MONTHLY PROGRESS REPORT FOR JUNE 1959
Accession Number: 63X82500
Report Number: NASA-CR-51809; SM-36017
Document ID (CASI): 19630045087
Publication Date: Jun 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Feasibility study of a high mass ratio motor
Author: Juran, C. E.
Author Affil.: Grand Central Rocket Co.
Accession Number: 73X78147
Report Number: NASA-CR-133509; GCR-P-0024-59; MPR-1
Document ID (CASI): 19730074568
Publication Date: Jun 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Highlights of selected nasa space programs quarterly progress report no. 2, 1 apr. - 30 jun. 1959
Accession Number: 64X80793
Report Number: NASA-TM-X-51590
Document ID (CASI): 19640058771
Publication Date: Jun 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega, informal monthly letter progress report
Author: Ehricke, K. A.
Accession Number: 64X80795
Report Number: NASA-CR-53648; AZR-57-001-1
Document ID (CASI): 19640058773
Publication Date: Jun 30, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Vega project second stage propulsion
Accession Number: 74X70025
Report Number: NASA-CR-136242; MR-3
Document ID (CASI): 19740080439
Publication Date: Jun 18, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega project second stage propulsion quarterly report no.1, 18 mar. - 18 jun. 1959
Accession Number: 64X81788
Report Number: NASA-CR-58265
Document ID (CASI): 19640059763

Publication Date: Jun 18, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Monthly progress report no. 3, 1-31 May 1959
Author: Williams, T. B.
Author Affil.: Callery Chemical Co.
Accession Number: 74X76471
Report Number: NASA-CR-139923; MPR-3
Document ID (CASI): 19740086885
Publication Date: Jun 16, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X81962
Report Number: NASA-CR-51474; AZD-57-002
Document ID (CASI): 19630044551
Publication Date: Jun 15, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): EXPERIMENTAL INVESTIGATION OF FLUTTER OF BUCKLED CURVED PANELS HAVING LONGITUDINAL STRINGERS AT TRANSONIC AND SUPERSONIC SPEEDS
Author: Hess, R. W.; Tuovila, W. J.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 63N18042
Report Number: NASA-MEMO-5-18-59L
Document ID (CASI): 19630008165
Publication Date: Jun 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Nonlinear Airfoil Theory for Rectangular Wings in Incompressible Flow
Author: Gersten, Klaus
Author Affil.: NASA
Report Number: NASA-RE-3-2-59W
Document ID (CASI): 20030067423
Publication Date: June 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-Speed Investigation of Blowing from Nacelles Mounted Inboard and on the Upper Surface of an Aspect-Ratio-7.0 35-degree Swept Wing with Fuselage and Various Tail Arrangements
Author: Turner, Thomas R.; Davenport, Edwin E.; Riebe, John M.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center; NASA Langley Research Center
Report Number: NASA 5-1-59L
Document ID (CASI): 20030067557
Publication Date: June 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): DELTA MONTHLY PROGRESS REPORT FOR MAY 1959
Accession Number: 63X82427
Report Number: NASA-CR-51637; SM-35780
Document ID (CASI): 19630045015
Publication Date: Jun 1, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static stability and control characteristics of a 0.5-scale model of the Hughes GAR-11 missile at Mach numbers from 1.60 to 2.30

Author: Ellington, R. R.; Wong, N. D.

Author Affil.: NASA Goddard Space Flight Center; NASA Goddard Space Flight Center

Accession Number: 71X77304

Report Number: NASA-MEMO-6-6-59A; AF-AM-162

Document ID (CASI): 19710078721

Publication Date: Jun 1, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Torsion testing of solid propellants

Author: Dowler, W.; Lewis, G.; Stimpson, L.

Author Affil.: Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.

Accession Number: 68X84077

Document ID (CASI): 19680089302

Publication Date: Jun 1, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): An evaluation of the applicability of various stress-strain equations to resins and propellants /u/

Author: Landel, R. F.; Smith, T. L.; Stedry, P.

Author Affil.: Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.

Accession Number: 68X84084

Document ID (CASI): 19680089309

Publication Date: Jun 1, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): General test plan for delta space research vehicle

Accession Number: 64X80656

Report Number: NASA-CR-55976; SM-35760

Document ID (CASI): 19640058634

Publication Date: Jun 1, 1959

Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Monthly progress report, 1-30 April 1959

Author: Williams, T. B.

Author Affil.: Callery Chemical Co.

Accession Number: 75X70667

Report Number: NASA-CR-140913; MPR-2; SER-0514

Document ID (CASI): 19750073275

Publication Date: May 18, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The F-1 tank pressurization study

Accession Number: 75X75506

Report Number: NASA-CR-143448; R-1559; SN-71729

Document ID (CASI): 19750078114

Publication Date: May 15, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Nasa f-1 engine program quarterly progress report, period ending 31 mar. 1959
Accession Number: 66X81024
Report Number: NASA-CR-70010; R-1555-1
Document ID (CASI): 19660089468
Publication Date: May 12, 1959
Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): PRELIMINARY STUDY OF AN UNMANNED LUNAR SOFT LANDING VEHICLE
/SCIENTIFIC APPLICATION/
Accession Number: 63X82674
Report Number: NASA-CR-51624
Document ID (CASI): 19630045260
Publication Date: May 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega project second stage propulsion
Accession Number: 74X71199
Report Number: NASA-CR-136236; MR-2
Document ID (CASI): 19740081613
Publication Date: May 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Escape rocket capsule model 133, mc donnell aircraft corp. monthly progress
report no. 2, 1 - 30 apr. 1959
Author: Bachtel, A. K.
Author Affil.: Grand Central Rocket Co.
Accession Number: 64X81728
Report Number: P-0016-59; NASA-CR-138581
Document ID (CASI): 19640059704
Publication Date: Apr 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Distribution of aerodynamic loads on the atlas able-4
Author: Adams, R. H.
Author Affil.: Space Technology Labs., Inc.
Accession Number: 66X82405
Report Number: NASA-CR-75477; TN-59-0000-00252
Document ID (CASI): 19660090845
Publication Date: Apr 10, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Monthly progress report no. 1, 2-31 March 1959
Author: Williams, T. B.
Author Affil.: Callery Chemical Co.
Accession Number: 74X75092
Report Number: NASA-CR-139202
Document ID (CASI): 19740085506
Publication Date: Apr 7, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): ERROR ANALYSIS FOR TRANSIT AND TIROS SATELLITES
Author: Whitcombe, D. W.

Author Affil.: Space Technology Labs., Inc.
Accession Number: 63X82402
Report Number: NASA-CR-51484; STL-TM-59-R-002-00341
Document ID (CASI): 19630044990
Publication Date: Apr 3, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X82313
Report Number: NASA-CR-140874
Document ID (CASI): 19630044901
Publication Date: Apr 1, 1959
Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): EPHEMERIS OF SATELLITE 1957 ALPHA 2
Author: Eckels, A.; Harris, I.; Jastrow, R.; Koldan, R.
Accession Number: 63X82931
Report Number: NASA-TM-X-50629
Document ID (CASI): 19630045517
Publication Date: Apr 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Forming of Inconel X
Author: Germann, R.; Trepel, W. B.
Author Affil.: Republic Aviation Corp.; Republic Aviation Corp.
Accession Number: 73X74632
Report Number: NASA-CR-131766; ITR-2
Document ID (CASI): 19730071053
Publication Date: Apr 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of six missile-bay baffle configurations and a rocket end plate on ejection releases of an MB-1 rocket from a 0.05-scale model of the Convair F-106A airplane
Author: Hinson, W. F.; Lee, J. B.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 75X75481
Report Number: NASA-MEMO-4-29-59L
Document ID (CASI): 19750078089
Publication Date: Mar 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Functional description of the vega vehicle system
Accession Number: 65X81620
Report Number: NASA-CR-62437; JPL-PUBL.-155A
Document ID (CASI): 19650079203
Publication Date: Mar 25, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Theory of the Double-Gyroscopic Vertical
Author: Ishlinski, A. Y.
Author Affil.: NASA Langley Research Center
Report Number: NASA-RE-3-10-59W; E-155
Document ID (CASI): 20030067234

Publication Date: March 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wall Turbulence
Author: Ferrari, Carlo
Author Affil.: NASA
Report Number: NASA-RE-2-8-59W
Document ID (CASI): 20030068310
Publication Date: March 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X82312
Report Number: ARPA-C-207406; NASA-CR-140875
Document ID (CASI): 19630044900
Publication Date: Mar 1, 1959
Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): Photography from the viking 12 rocket at altitudes ranging up to 143.5 miles progress report
Author: Baumann, R. C.; Winkler, L.
Accession Number: 64X80138
Report Number: NASA-TM-X-51353
Document ID (CASI): 19640058135
Publication Date: Mar 1, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Jet Propulsion Laboratory general specification: VEGA space vehicle system
Accession Number: 73X81651
Report Number: NASA-CR-136118; JPL-SPEC-30200
Document ID (CASI): 19730078071
Publication Date: Feb 27, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega space vehicle system jpl general specification /second edition/
Accession Number: 64X80664
Report Number: NASA-CR-55984; JPL-30200, CHANGE A
Document ID (CASI): 19640058642
Publication Date: Feb 27, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): A preliminary study of unsymmetrical dimethylhydrazine as a monopropellant progress report no. 30-1
Author: Pardee, R. P.
Author Affil.: Jet Propulsion Lab., California Inst. of Tech.
Accession Number: 65X85101
Report Number: NASA-CR-67513
Document ID (CASI): 19650082677
Publication Date: Feb 23, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): 1958 NASA/USAF SPACE PROBES /ABLE-1/, VOLUME I- SUMMARY FINAL REPORT

Accession Number: 63X81744
Report Number: NASA-CR-51032
Document ID (CASI): 19630044333
Publication Date: Feb 18, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Satellite and space program
Accession Number: 73X81293
Report Number: NASA-CR-136028; PR-3; RCS-ORDXM-C-1004
Document ID (CASI): 19730077713
Publication Date: Feb 15, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): History of ordnance research at the jet propulsion laboratory, 1 january 1957 through 31 december 1958
Accession Number: 65X80984
Report Number: JPL-PUBL.-148
Document ID (CASI): 19650078569
Publication Date: Feb 6, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): The State of a Solid Body
Author: Grueneisen, E.
Author Affil.: NASA
Report Number: NASA-RE-2-18-59W
Document ID (CASI): 20030067255
Publication Date: February 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Nonlinear Airfoil Theory for Rectangular Wings in Incompressible Flow
Author: Gersten, Klaus
Author Affil.: NASA
Report Number: NASA-RE-3-2-59W
Document ID (CASI): 20030068511
Publication Date: February 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X82314
Report Number: NASA-CR-140862
Document ID (CASI): 19630044902
Publication Date: Feb 1, 1959
Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): Thor delta nasa space probe capabilities
Accession Number: 66X80457
Report Number: NASA-CR-68669; SM-35567
Document ID (CASI): 19660088902
Publication Date: Feb 1, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Problems relating to hypersonic cruise aircraft
Accession Number: 93X72278

Report Number: NASA-TM-108641; NAS 1.15:108641
Document ID (CASI): 19930078713
Publication Date: Jan 30, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A national space vehicle program (U)
Accession Number: 72X75011
Report Number: NASA-TM-X-66794
Document ID (CASI): 19720073787
Publication Date: Jan 27, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Practical Solution of Plastic Deformation Problems in Elastic-Plastic Range
Author: Mendelson, A.; Manson, S. S.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Report Number: NASA-TR-R-28
Document ID (CASI): 20090032650
Publication Date: 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Analysis of Turbulent Flow and Heat Transfer in Noncircular Passages
Author: Deissler, Robert G.; Taylor, maynard F.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Report Number: NASA-TR-R-31
Document ID (CASI): 20090006711
Publication Date: [1959]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight tests of a 1/8-scale model of the Bell D-188A jet VTOL engine
Author: Smith, C. C., Jr.
Author Affil.: NASA Langley Research Center
Accession Number: 71X77930
Report Number: NASA-MEMO-3-16-59L
Document ID (CASI): 19710079346
Publication Date: Jan 20, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free spinning tunnel investigation of a 1/40 scale model of the McDonnell F-101A airplane
Author: Bowman, J. S., Jr.; Healy, F. M.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X77931
Report Number: NASA-MEMO-3-14-59L
Document ID (CASI): 19710079347
Publication Date: Jan 15, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Space system development plan, interplanetary probe /able-4/
Accession Number: 66X81542
Report Number: NASA-CR-71328; AD-359678
Document ID (CASI): 19660089983
Publication Date: Jan 14, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Research and development at Jet Propulsion Laboratory on storable propellants using hydrazine as the fuel /U/
Author: Elverum, G. W., Jr.; Lee, D. H.; Massier, P. F.
Author Affil.: Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.
Accession Number: 69X70640
Document ID (CASI): 19690087124
Publication Date: Jan 13, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Forty-Fourth Annual Report of the National Advisory Committee for Aeronautics Administrative Report Including Technical Reports Nos. 1342 to 1392
Report Number: NACA-AR-44
Document ID (CASI): 20050019296
Publication Date: 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Flow Incidence and Reynolds Number on Low-Speed Aerodynamic Characteristics of Several Noncircular Cylinders with Applications to Directional Stability and Spinning
Author: Polhamus, Edward C.
Report Number: NASA-TR-R-29
Document ID (CASI): 20090017489
Publication Date: [1959]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On finite integral transforms built upon incomplete sets of eigenfunctions
Author: Lu, P. C.
Author Affil.: Case Inst. of Tech.
Accession Number: 76N70943
Report Number: NASA-CR-76311
Document ID (CASI): 19760065902
Publication Date: JAN 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Stability of a Panel Moving in a Gas
Author: Movchan, A. A.
Author Affil.: NASA
Report Number: NASA-RE-11-21-58W
Document ID (CASI): 20030067249
Publication Date: January 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): ON A MODIFICATION OF HANSEN'S LUNAR THEORY
Author: Musen, P.
Author Affil.: NASA Goddard Space Flight Center
Accession Number: 63X12073
Document ID (CASI): 19630032127
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): PHYSICO-CHEMICAL REACTIONS DURING NOZZLE FLOW
Author: Morris, J. F.

Author Affil.: NASA Lewis Research Center
Accession Number: 63X12611
Document ID (CASI): 19630032665
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): THE CRYSTAL STRUCTURE OF CALCIUM BROMIDE
Author: Brackett, E. B.; Brackett, T. E.; Sass, R. L.
Author Affil.: Rice Univ.; Rice Univ.; Rice Univ.
Accession Number: 63X13406
Report Number: NASA-CR-50213
Document ID (CASI): 19630033459
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): RESULTS OF THE FINAL TEARDOWN INSPECTION OF AN RB-47E CYCLIC
LOAD TEST AIRPLANE
Author: Castle, C. B.; Ward, J. F.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 63X80323
Report Number: NASA-TM-SX-133; AF-AM-171
Document ID (CASI): 19630043867
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): DEVELOPMENT OF MULTIPLE RADIATION ZONES ON 18 OCTOBER 1959
Author: Ludwig, G. H.; Obrien, B. J.
Author Affil.: State Univ. of Iowa; State Univ. of Iowa
Accession Number: 63X81790
Report Number: NASA-CR-51323; SUI-60-8
Document ID (CASI): 19630044379
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Author: Berman, K.; Kleczek, W. S.
Author Affil.: General Electric Co.; General Electric Co.
Accession Number: 63X82366
Report Number: NASA-CR-51610
Document ID (CASI): 19630044954
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 63X82445
Report Number: NASA-CR-51611
Document ID (CASI): 19630045032
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): PRELIMINARY PERFORMANCE FOR THE SCOUT
Author: Stoney, W. E., Jr.
Author Affil.: NASA Langley Research Center

Accession Number: 63X82483
Report Number: NASA-TM-X-50746
Document ID (CASI): 19630045070
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): MINUTES FOR NASA SYMPOSIUM ON ABL X248 MOTORS HELD AT ALLEGANY BALLISTICS LABORATORY, OCTOBER 28, 29, 1959
Author: Moody, G. H.; Porter, M. G.; Skurzynski, E. J.
Author Affil.: Hercules Powder Co.; Hercules Powder Co.; Hercules Powder Co.
Accession Number: 63X82626
Report Number: NASA-CR-51438
Document ID (CASI): 19630045212
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): SATURN VEHICLE TEAM /U/ <1959<
Accession Number: 63X82849
Report Number: NASA-TM-X-50909
Document ID (CASI): 19630045435
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega project second stage propulsion
Accession Number: 73X81625
Report Number: NASA-CR-136025; MR-6
Document ID (CASI): 19730078045
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Forming of Inconel 10
Author: Germann, R.; Trepel, W. B.
Author Affil.: Republic Aviation Corp.; Republic Aviation Corp.
Accession Number: 73X74622
Report Number: NASA-CR-131666; ITR-1
Document ID (CASI): 19730071043
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The systems dynamics research airplane
Author: Foudriat, E. C.; Sjoberg, S. A.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 73X70344
Document ID (CASI): 19730066765
Publication Date: Jan 1, 1959
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Adaptive control system program
Author: Triplett, W. C.
Author Affil.: NASA Ames Research Center
Accession Number: 73X70345
Document ID (CASI): 19730066766
Publication Date: Jan 1, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): On an adaptive autopilot using a nonlinear feedback control system

Author: Mclean, J. D.; Schmidt, S. F.

Author Affil.: NASA Ames Research Center; NASA Ames Research Center

Accession Number: 73X70346

Document ID (CASI): 19730066767

Publication Date: Jan 1, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Stability characteristics of two missiles of fineness ratios 12 and 18 with six rectangular fins of very low aspect ratio over a Mach number range of 1.4 to 3.2

Author: Henning, A. B.

Author Affil.: NASA Langley Research Center

Accession Number: 69X76939

Report Number: NASA-MEMO-12-2-58L

Document ID (CASI): 19690093416

Publication Date: Jan 1, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Considerations affecting satellite and space probe research with particular emphasis on scout as a launch vehicle

Accession Number: 68X80541

Report Number: NASA-TM-X-60718

Document ID (CASI): 19680085770

Publication Date: Jan 1, 1959

Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): [No Title]

Author: Daugherty, J. C.; Green, K. H.; Hedstrom, C. E.

Accession Number: 67X86142

Report Number: NASA-TM-SX-91

Document ID (CASI): 19670093756

Publication Date: Jan 1, 1959

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Delta monthly administrative progress report, november 1959

Accession Number: 66X82404

Report Number: NASA-CR-75487

Document ID (CASI): 19660090844

Publication Date: Jan 1, 1959

Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Feasibility study of a high mass-ratio motor monthly progress report no. 1, 1-30 jun. 1959

Author: Juran, C. E.

Author Affil.: Grand Central Rocket Co.

Accession Number: 66X80461

Report Number: NASA-CR-68666; P-0024-59

Document ID (CASI): 19660088906

Publication Date: Jan 1, 1959

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): The aerodynamic damping of manned and ballistic reentry bodies
Author: Wolhart, W. D.
Author Affil.: NASA Langley Research Center
Accession Number: 65X81281
Report Number: NASA-TM-X-56095
Document ID (CASI): 19650078865
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vega project. second stage propulsion quarterly report no. 2, period ending september 18, 1959
Author: Berman, K.; Kleczek, W. S.
Author Affil.: General Electric Co.; General Electric Co.
Accession Number: 64X80666
Report Number: NASA-CR-55979
Document ID (CASI): 19640058644
Publication Date: Jan 1, 1959
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Equatorial patterns of an axially slotted cylinder coated with a critically dense plasma
Author: Knop, C. M.; Swift, C. T.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 64X80336
Report Number: NASA-TM-X-51371
Document ID (CASI): 19640058314
Publication Date: Jan 1, 1959
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transfer in the Turbulent Incompressible Boundary Layer
Title: Number of Part: IV
Title: Name of Part: Effect of Location of Transition and Prediction of Heat Transfer in a Known Transition Region
Author: Reynolds, W. C.; Kays, W. M.; Kline, S. J.
Author Affil.: Stanford Univ.; Stanford Univ.; Stanford Univ.
Report Number: NASA-MEMO-12-4-58W
Document ID (CASI): 20050158659
Publication Date: December 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): ABMA PRESENTATION TO THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Author: Koelle, H. H.; Stuhlinger, E.; Von Braun, W.
Author Affil.: Army Missile Command; Army Missile Command; Army Missile Command
Accession Number: 63X82770
Report Number: NASA-TM-X-50788; D-TN-1-59
Document ID (CASI): 19630045356
Publication Date: Dec 15, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Presentation on vehicle programs (U)
Accession Number: 72X75015
Report Number: NASA-TM-X-66792

Document ID (CASI): 19720073791
Publication Date: Dec 15, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): DEVELOPMENT AND FUNDING PLAN FOR AOMC SUPPORT OF NASA MANNED SATELLITE PROJECT
Accession Number: 63X82274
Report Number: NASA-CR-51689
Document ID (CASI): 19630044862
Publication Date: Dec 12, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Development and funding plan for AOMC support of NASA manned-satellite project
Accession Number: 78X73566
Report Number: NASA-CR-155809
Document ID (CASI): 19780083893
Publication Date: Dec 12, 1958
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): RAPID-OPENING MECHANICAL GATE VALVE
Author: Charters, A. C.; Denardo, B. P.
Author Affil.: NASA Ames Research Center; NASA Ames Research Center
Accession Number: 63X82864
Report Number: NASA-TM-X-51262
Document ID (CASI): 19630045450
Publication Date: Dec 2, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat-transfer measurements on a 5.5-inch-diameter hemispherical concave nose in free flight at Mach numbers up to 6.6
Author: Levine, J.; Rumsey, C. B.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 69X76956
Report Number: NASA-MEMO-10-21-58L
Document ID (CASI): 19690093433
Publication Date: Dec 1, 1958
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): [No Title]
Author: Dunholter, H. F.
Accession Number: 64X80309
Report Number: NASA-CR-55242
Document ID (CASI): 19640058287
Publication Date: Dec 1, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): [No Title]
Accession Number: 66X81523
Report Number: NASA-CR-71334; R-1174P
Document ID (CASI): 19660089964
Publication Date: Nov 10, 1958
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Test vehicle attitude control system. A proposal prepared in response to specification S-1

Accession Number: 76X73329

Report Number: NASA-CR-146489; MOSC-139

Document ID (CASI): 19760079973

Publication Date: Oct 20, 1958

Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Heat transfer and pressure measurements from a flight test of the third 1/18-scale model of the Titan intercontinental ballistic missile up to a Mach number of 3.86 and Reynolds number per foot of 23.5 million and a comparison with heat transfer of two other models

Author: Graham, J. B., Jr.

Author Affil.: NASA Langley Research Center

Accession Number: 71X75074

Report Number: NASA-MEMO-11-1-58L; AF-AM-70

Document ID (CASI): 19710076492

Publication Date: Oct 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An investigation of the aerodynamic characteristics of a 1/15-scale model of WS-117L with booster B at Mach numbers from 2.49 to 3.53

Author: Bright, L. G.

Author Affil.: NASA Ames Research Center

Accession Number: 71X75075

Report Number: NASA-MEMO-10-12-58A

Document ID (CASI): 19710076493

Publication Date: Oct 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): A wind tunnel investigation of the aerodynamic characteristics of a 1/15-scale model of the lockheed WS-117L vehicle plus booster B at Mach numbers from 0.70 to 1.45

Author: Fahey, R. E.

Author Affil.: NASA Ames Research Center

Accession Number: 71X75076

Report Number: NASA-MEMO-10-10-58A

Document ID (CASI): 19710076494

Publication Date: Oct 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An experimental investigation of the aerodynamic characteristics of a 1/15-scale model of the Lockheed WS-117L vehicle plus booster B at Mach numbers from 1.55 to 2.35

Author: Martin, N. J.

Author Affil.: NASA Ames Research Center

Accession Number: 71X75077

Report Number: NASA-MEMO-10-11-58A

Document ID (CASI): 19710076495

Publication Date: Oct 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Hovering and transition flight tests of a 1/5-scale model of the Ryan X-13 VTOL airplane

Author: Smith, C. C., Jr.

Author Affil.: NASA Langley Research Center
Accession Number: 71X81426
Report Number: NACA-RM-SL58H29
Document ID (CASI): 19710082837
Publication Date: Sep 9, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic characteristics at a Mach number of 6.8 of two hypersonic missile configurations, one with low aspect ratio cruciform fins and trailing edge flaps and one with a flared afterbody and all movable controls
Author: Bernot, P. T.; Robinson, R. B.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X73177
Report Number: NACA-RM-L58D24
Document ID (CASI): 19710074595
Publication Date: Aug 4, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental investigation of flutter and divergence characteristics of the rocket-motor fin of the ASROC missile
Author: Hanson, P. W.; Levey, G. M.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X74412
Report Number: NACA-RM-SL58H08A; N-AM-66
Document ID (CASI): 19710075830
Publication Date: Jul 31, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): X-15 structure and structural development
Author: Davis, C L
Accession Number: 93R21687
Document ID (CASI): 19930092397
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The XLR99-RM-1 engine for the X-15 airplane
Author: Seaman, Robert W
Accession Number: 93R21691
Document ID (CASI): 19930092401
Authorized Users: NASA personnel only

Title (Incl. Subtitle): BOUNDARY-LAYER-TRANSITION MEASUREMENTS IN FULL-SCALE FLIGHT
Author: Banner, R. D.; Mc Tigue, J. G.; Petty, G., Jr.
Author Affil.: NASA Flight Research Center; NASA Flight Research Center; NASA Flight Research Center
Accession Number: 63N18047
Report Number: NACA-RM-H58E28
Document ID (CASI): 19630008170
Publication Date: Jul 28, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary aerodynamic data pertinent to manned satellite reentry configurations
Author: Armstrong, W. O.; Penland, J. A.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X73179
Report Number: NACA-RM-L58E13A
Document ID (CASI): 19710074597
Publication Date: Jul 21, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Performance of the Afterburner on the Iroquois Turbojet Engine. Coord. No. AF-P-6

Author: Groesbeck, Donald E.; Peters, Daniel J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE58G01
Document ID (CASI): 20090026526
Publication Date: July 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation of a 1/28-Scale Model of the North American FJ-4 Airplane with External Fuel Tanks, TED No. NACA AD 3112

Author: Healy, Frederick M.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL58H07
Document ID (CASI): 20050028462
Publication Date: July 23, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of boattail area contouring and simulated turbojet exhaust on the loading and fuselage-tail component drag of a twin-engine fighter-type airplane model

Author: Foss, Willard E , Jr; Runckel, Jack F; Lee, Edwin E , Jr
Accession Number: 93R23148
Report Number: NACA-RM-L58C04
Document ID (CASI): 19930093825
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Turbulent Skin Friction at High Mach Numbers and Reynolds Numbers

Author: Matting, Fred W.; Chapman, Dean R.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A58D28
Document ID (CASI): 20040034083
Publication Date: July 24, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculation of the Lateral Stability of a Directly Coupled Tandem-Towed Fighter Airplane and Correlation with Experimental Data

Author: Shanks, Robert E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55D18
Document ID (CASI): 20050029387
Publication Date: June 24, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some Altitude Operational Characteristics of a Prototype Iroquois Turbojet Engine. COORD. NO. AF-P-6

Author: Peters, Daniel J.; McAulay, John E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE58F17
Document ID (CASI): 20090026500
Publication Date: June 17, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Canard hinge moments and longitudinal stability of a 1/7-scale model of the Convair B-58 external store in a free-flight investigation at Mach numbers from 0.94 to 2.58

Author: Hollinger, J. A.
Author Affil.: NASA Langley Research Center
Accession Number: 69X71608
Report Number: NACA-RM-SL58F10
Document ID (CASI): 19690088092
Publication Date: Jun 20, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a Prototype Iroquois Turbojet Engine in an Altitude Test Chamber.
COORD. NO. AF-P-6

Author: McAulay, John E.; Groesbeck, Donald E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE58E26
Document ID (CASI): 20090026499
Publication Date: May 26, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Induction system characteristics and engine surge occurrence for two fighter-type airplanes

Author: Larson, Terry J; Thomas, George M; Bellman, Donald R
Accession Number: 93R19347
Report Number: NACA-RM-H58C14
Document ID (CASI): 19930090057
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary transonic flutter investigation of models of T-tail of Blackburn NA-39 airplane

Author: Boswinkle, R. W., Jr.; Jones, G. W., Jr.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X80117
Report Number: NACA-RM-SL58D10
Document ID (CASI): 19710081529
Publication Date: Apr 15, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supersonic Wave Interference Affecting Stability

Author: Love, Eugene S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L55L14a
Document ID (CASI): 20090022748
Publication Date: March 08, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Interaction of a Reflected Shock Wave with the Boundary Layer in a Shock Tube

Author: Mark, Herman

Author Affil.: Cornell Univ.

Report Number: NACA-TM-1418

Document ID (CASI): 20050019632

Publication Date: March 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Evaluation of Very High Energy Rocket Propellants

Author: Douglass, Howard W.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Accession Number: 69X76412

Report Number: NASA-TM-X-61638; AD-152273

Document ID (CASI): 19690092889

Publication Date: March 14, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some experimental heating data on convex and concave hemispherical nose shapes and hemispherical depressions on a 30 deg blunted nose cone

Author: Hopko, R. N.; Strass, H. K.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 69X76940

Report Number: NACA-RM-L58A17A

Document ID (CASI): 19690093417

Publication Date: Mar 10, 1958

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Investigation of Aperiodic Time Processes with Autocorrelation and Fourier Analysis

Author: Exner, Marie Luise

Report Number: NACA-TM-1404

Document ID (CASI): 20050019615

Publication Date: March 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Impact on a Compressible Fluid

Author: Egorov, L. T.

Report Number: NACA-TM-1413

Document ID (CASI): 20040045345

Publication Date: February 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Incipient Spin Characteristics of a 1/35-Scale Model of the Convair F-102A Airplane, Coord. No. AF-AM-79

Author: Healy, Frederick M.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL58B13

Document ID (CASI): 20050028492

Publication Date: February 11, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Transonic-Wind-Tunnel Tests of the Aerodynamic Characteristics of a 0.15-Scale Model of the North American Aviation 255-Inch Fin-Stabilized External Store, Coord No. AF-AM-4
Author: Fischetti, Thomas L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56A30
Document ID (CASI): 20050028473
Publication Date: February 09, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat-transfer and pressure measurements from a flight test of the second 1/18-scale model of the Titan intercontinental ballistic missile up to a Mach number of 3.91 and Reynolds number per foot of 23.4 by 10 to the 6th power
Author: Graham, J. B., Jr.
Author Affil.: NASA Langley Research Center
Accession Number: 71X74415
Report Number: NACA-RM-SL58B10; AF-AM-70
Document ID (CASI): 19710075833
Publication Date: Jan 29, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Free-Spinning and Recovery Characteristics of a 1/24-Scale Model of the Grumman F11F-1 Airplane with Alternate Nose Configurations with and without Wing Fuel Tanks, TED No. NACA AD 395
Author: Bowman, James S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL58C20
Document ID (CASI): 20050028501
Publication Date: [1958]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Low-Speed Characteristics of a 1/8-Scale Model of the Republic XP-91 Airplane with a Vee and a Conventional Tail. Addendum - Characteristics with a Revised Conventional Tail and Drooped Wing Tips
Author: Weiberg, James A.; Anderson, Warren E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA8A02
Document ID (CASI): 20090026310
Publication Date: January 02, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some Effects of Rapid Inlet Pressure Oscillation on the Operation of a Turbojet Engine
Author: Russey, Robert E.; Lubick, Robert J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E58A03
Document ID (CASI): 20050041781
Publication Date: [1958]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal and Lateral Stability and Control Characteristics and Vertical-Tail-Load Measurements for a 0.03-Scale Model of the Avro CF-105 Airplane at Mach Numbers of 1.60, 1.80, and 2.00

Author: Silvers, H. Norman; Fournier, Roger H.; Wills, Jane S.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL58G28

Document ID (CASI): 20050028468

Publication Date: [1958]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): THE UPPER ATMOSPHERE STUDIED BY ROCKETS AND SATELLITES

Author: Newell, H. E., Jr.

Accession Number: 63X81689

Report Number: NASA-TM-X-60653

Document ID (CASI): 19630044278

Publication Date: Jan 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Turbine engines for high-speed flight

Author: Henneberry, H. M.; Zimmerman, A. V.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center

Accession Number: 68X84157

Report Number: NASA-TM-X-60935; NACA-C-8548

Document ID (CASI): 19680089382

Publication Date: Jan 1, 1958

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Sodium levels in urine and lymph following elevation of inferior vena cava pressure

Author: Cockett, A. T. K.; Katz, Y. J.; Moore, R. S.

Author Affil.: California Univ.; California Univ.; California Univ.

Accession Number: 66X20993

Report Number: NASA-CR-76974

Document ID (CASI): 19660077318

Publication Date: Jan 1, 1958

Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): Static pressure measurements in a hypervelocity shock tunnel

Author: Bowman, G. H.; Coon, G. W.

Author Affil.: NASA Ames Research Center; NASA Ames Research Center

Accession Number: 64X82361

Report Number: NASA-TM-X-54796

Document ID (CASI): 19640060315

Publication Date: Jan 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The supersonic blunt-body problem - review and extension

Author: Van Dyke, M. D.

Author Affil.: NASA Ames Research Center

Accession Number: 64X81065

Document ID (CASI): 19640059043

Publication Date: Jan 1, 1958
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The temperature-dependence of the refractive index of tetragonal bati03 by a modified chaulnes method

Author: De Vries, R. C.; Lawless, W. N.

Accession Number: 64X81005

Report Number: NASA-CR-56026

Document ID (CASI): 19640058983

Publication Date: Jan 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Direct observations of the solar wind by the mariner ii spacecraft

Author: Neugebauer, M.; Snyder, C. W.

Author Affil.: Jet Propulsion Lab., California Inst. of Tech.; Jet Propulsion Lab., California Inst. of Tech.

Accession Number: 64X80561

Report Number: NASA-CR-55422

Document ID (CASI): 19640058539

Publication Date: Jan 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Anisotropic oxygen polarizability in carbonate minerals

Author: De Vries, R. C.; Lawless, W. N.

Accession Number: 64X80876

Report Number: NASA-CR-53895

Document ID (CASI): 19640058854

Publication Date: Jan 1, 1958

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat-transfer and pressure measurements from a flight test of a 1/18-scale model of the Titan intercontinental ballistic missile up to a Mach number of 3.95 and Reynolds number per foot of 23 by 10 to the 6th power

Author: Chauvin, L. T.; Graham, J. B., Jr.; Speegle, K. C.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X74410

Report Number: NACA-RM-SL57L16A; AF-AM-70

Document ID (CASI): 19710075828

Publication Date: Dec 19, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation at High Subsonic Speeds of the Static Longitudinal and Lateral Stability Characteristics of Two Canard Airplane Configurations

Author: Steeman, William C., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L57J08

Document ID (CASI): 20050019253

Publication Date: December 03, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Surge-Inception Study in a Two-Spool Turbojet Engine

Title Supplement: Revised

Author: Wallner, Lewis E.; Lubick, Robert J.; Saari, Martin J.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E57I27
Document ID (CASI): 20050019238
Publication Date: November 07, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Endurance Evaluation of Sintered, Porous, Strut-Supported Turbine Blades made by Federal-Mogul-Bower-Bearings, Incorporated, under Bureau of Aeronautics Contract NOas 55-124-C

Author: Hickel, Robert O.; Richards, Hadley T.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE57K25
Document ID (CASI): 20090026498
Publication Date: November 26, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat of Combustion of the Product Formed by the Reaction of Acetylene, Ethylene, and Diborane

Author: Tannenbaum, Stanley
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E53H18
Document ID (CASI): 20050071703
Publication Date: October 24, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat of Combustion of the Product Formed by the Reaction of Acetylene and Diborane (LFPL-CZ-3)

Author: Allen, Harrison, Jr.; Tannenbaum, Stanley
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E53K10
Document ID (CASI): 20050071702
Publication Date: 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free spinning and recovery characteristics of 1/36 scale model of the Republic F-105B airplane

Author: Bowman, James S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Accession Number: 71X74413
Report Number: NACA-RM-SL57I30; AF-AM-83
Document ID (CASI): 19710075831
Publication Date: Oct 9, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Blow-Out Velocities of Solutions of Hydrocarbons and Boron Hydride - Hydrocarbon Reaction Products in a 1 7/8-Inch-Diameter Combustor

Author: Morris, James F.; Lord, Albert M.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E54F25
Document ID (CASI): 20050080632
Publication Date: 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Note on a Correlation of a Boundary-Layer Transition Results on Highly Cooled Blunt Bodies

Author: Wisniewski, Richard J.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E-57J14

Document ID (CASI): 20090024827

Publication Date: October 14, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Internal Performance of Several Divergent-Shroud Ejector Nozzles with High Divergence Angles

Author: Trout, Arthur M.; Papell, S. Stephen; Povolny, John H.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E57F13

Document ID (CASI): 20050156648

Publication Date: October 02, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind tunnel tests of a series of practice bombs

Author: Ward, D. H.

Author Affil.: NASA Langley Research Center

Accession Number: 63X80327

Report Number: NACA-RM-SL57J15A

Document ID (CASI): 19630043871

Publication Date: Oct 1, 1957

Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Wind-tunnel flutter tests at Mach numbers up to 3.0 of Boeing wing models for weapons system 110A

Author: Levey, G. M.; Rainey, A. G.; Tuovila, W. J.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center; NASA Langley Research Center

Accession Number: 69X77212

Report Number: NACA-RM-SL57J11A

Document ID (CASI): 19690093689

Publication Date: Sep 27, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Starting Tests of a 1000-Pound-Thrust Solid-Propellant Rocket

Author: Sloop, John L.; Rollbuhler, R. James; Krawczonek, Eugene M.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E57G29

Document ID (CASI): 20050019243

Publication Date: September 13, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Fuselage Addition to Delay Drag-Rise Mach Number of Subsonic Airplanes at Lifting Conditions

Author: Whitcomb, Richard T.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L57H09b

Document ID (CASI): 20090026510

Publication Date: August 06, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a 1/22-scale model of the Republic F-105 airplane in the Langley 8-foot transonic tunnel lateral, directional, and additional longitudinal static stability and control

Author: Luoma, A. A.

Author Affil.: NASA Langley Research Center

Accession Number: 71X75080

Report Number: NACA-RM-SL57H06

Document ID (CASI): 19710076498

Publication Date: Aug 23, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of ejection releases of an MB-1 rocket from a 0.04956-scale model of the Convair F-106A airplane at several Mach numbers and simulated altitudes

Author: Lee, J. B.; Basford, R. C.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 75X75480

Report Number: NACA-RM-SL-57I11

Document ID (CASI): 19750078088

Publication Date: Aug 22, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Internal Performance Data for a Variable-Ejector Assembly on the XJ79-GE-1 Turbojet Engine

Title: Number of Part: II

Title: Name of Part: Afterburning Configurations

Author: Bloomer, Harry E.; Groesbeck, Donald E.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E57F25

Document ID (CASI): 20050019281

Publication Date: July 30, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Comparative study of turbofan and turbojet engines

Author: Benser, W. A.; Gabriel, D. S.; Kaufman, H. R.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center; NASA Lewis Research Center

Accession Number: 71X72136

Report Number: NACA-RM-SE57G17

Document ID (CASI): 19710073554

Publication Date: Jul 19, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance Evaluation of Reduced-Chord Rotor Blading as Applied to J73 Two-Stage Turbine with Standard Rotor Blades at Inlet Conditions of 35 Inches of Mercury Absolute and 700 deg R

Author: Schurn, Harold J.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E53L28A

Document ID (CASI): 20050019426

Publication Date: July 11, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-speed cascade investigation of thin low-camber NACA 65-series blade sections at high inlet angles

Author: Emery, James C

Accession Number: 93R19233

Report Number: NACA-RM-L57E03

Document ID (CASI): 19930089943

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static Longitudinal and Lateral Stability Characteristics of an 0.065-Scale Model of the Chance Vought XRSSM-N-9a (REGULUS II) Missile at Mach Numbers from 1.6 to 2.0 (TED No. NACA AD 3122)

Author: Hofstetter, William R.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA57F06

Document ID (CASI): 20090025471

Publication Date: June 06, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat transfer in regions of separated and reattached flows

Author: Crawford, Davis H; Rumsey, Charles B

Accession Number: 93R23137

Report Number: NACA-RM-L57D25b

Document ID (CASI): 19930093815

Authorized Users: NASA personnel only

Title (Incl. Subtitle): NACA Zero Power Reactor Facility Hazards Summary

Report Number: NACA-RM-SE57F28

Document ID (CASI): 20090023312

Publication Date: June 24, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of ejection releases of an MB-1 rocket from a 0.04956-scaled model of the convair F-106A airplane at mach number 1.59

Author: Lee, J. B.

Author Affil.: NASA Langley Research Center

Accession Number: 78X76889

Report Number: NASA-TM-78382; NACA-RM-SL57E07

Document ID (CASI): 19780087116

Publication Date: May 20, 1957

Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): Relation of currently estimated ANP performance to required ANP performance

Author: Cesaro, R. S.; Rothrock, A. M.

Author Affil.: NASA; NASA
Accession Number: 69X70172
Report Number: NACA-RM-S57E13
Document ID (CASI): 19690086656
Publication Date: May 16, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Static Stability and Drag Characteristics of a 1/10-Scale Model of the Avco Booster Vehicle at Mach Numbers of 1.60 and 2.00, Coord. No. AF-AM-58

Author: Church, James D.; Sista, Lawrence M.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL57E06

Document ID (CASI): 20050028461

Publication Date: May 10, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Some External Crosswise Stiffeners on the Heat Transfer and Pressure Distribution on a Flat Plate at Mach Numbers of 0.77, 1.39, and 1.08. Coord. No. AF-AM-69

Author: Carter, Howard S.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL57E31a

Document ID (CASI): 20090026357

Publication Date: May 14, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel tests of the static longitudinal characteristics at low speed of a swept-wing airplane with slotted flaps, area-suction flaps, and wing leading-edge devices

Author: Maki, Ralph L; James, Harry A

Accession Number: 93R18832

Report Number: NACA-RM-A57A24

Document ID (CASI): 19930089542

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Steady Nuclear Combustion in Rockets

Author: Saenger, E.

Report Number: NACA-TM-1405

Document ID (CASI): 20050169477

Publication Date: April 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of ejection releases of an MB-1 rocket from a 0.04956-scaled model of the Convair F-106A airplane at Mach number 1.59

Author: Lee, J. B.

Author Affil.: NASA Langley Research Center

Accession Number: 75X76231

Report Number: NACA-RM-SL57E07

Document ID (CASI): 19750078839

Publication Date: Apr 15, 1957

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Naca conference on hydrogen for turbojet and ram-jet powered flight

Accession Number: 65X82886

Document ID (CASI): 19650080468
Publication Date: Apr 12, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-flight skin temperature and pressure measurements on a slightly blunted 25 deg cone-cylinder-flare configuration to a Mach number of 9.89
Author: Bond, A. C.; Rumsey, C. B.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 69X76754
Report Number: NACA-RM-L57B18
Document ID (CASI): 19690093231
Publication Date: Apr 10, 1957
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Effects of Inlet Modification and Rocket-Rack Extension on the Longitudinal Trim and Low-Lift Drag of the Douglas F5D-1 Airplane as Obtained with a 0.125-Scale Rocket-Boosted Model between Mach Numbers of 0.81 and 1.64, TED No. NACA AD 399
Author: Hastings, Earl C., Jr.; Dickens, Waldo L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL57D30
Document ID (CASI): 20050019290
Publication Date: April 19, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements of Heat Transfer and Boundary-Layer Transition on an 8-Inch-Diameter Hemisphere-Cylinder in Free Flight for a Mach Number Range of 2.00 to 3.88
Author: Garland, Benjamin J.; Chauvin, Leo T.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L57D04a
Document ID (CASI): 20050019361
Publication Date: April 18, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effect of Solid Admixtures on the Velocity of Motion of a Free Dusty Air Jet
Author: Chernov, A. P.
Report Number: NACA-TM-1430
Document ID (CASI): 20050169555
Publication Date: April 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of the 19B-2, 19B-8, and 19XB-1 Jet Propulsion Engines
Title: Number of Part: 3
Title: Name of Part: Performance and Windmilling Drag Characteristics
Author: Fleming, William A.; Dietz, Robert O., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7C13
Document ID (CASI): 20090026312
Publication Date: March 13, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation of the effect of spin on the aerodynamic characteristics of a 60-millimeter T-24 mortar shell with several tail-fin configurations
Author: Hayes, W. C., Jr.; Kemp, W. B., Jr.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X74411
Report Number: NACA-RM-SL57C12
Document ID (CASI): 19710075829
Publication Date: Mar 21, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Comparison of the Combustion Performance of Shell UMF, Grade C, MIL-F-5624C, Grade JP-5, Fuels in a Heavy-Duty XRJ47-W-9
Author: Ranscht, W. G.; Farley, J. M.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E56K16; Rept-4127
Document ID (CASI): 20050019377
Publication Date: February 19, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics of a 0.04956-Scale Model of the Convair TF-102A Airplane at Transonic Speeds, Coord. No. AF-120
Author: Osborne, Robert S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL57E22
Document ID (CASI): 20050028481
Publication Date: [1957]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Concluding Report of Free-Spinning, Tumbling, and Recovery Characteristics of a 1/18-Scale Model of the Ryan X-13 Airplane, Coord. No. AF-199
Author: Bowman, James S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL57D11
Document ID (CASI): 20050028487
Publication Date: [1957]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Use of the Harmonic Linearization Method in the Automatic Control Theory
Author: Popov, E. P.
Report Number: NACA-TM-1406
Document ID (CASI): 20050019630
Publication Date: January 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary wind-tunnel investigation of the performance of republic f-105 wing-root inlet configurations at various angles of attack and a mach number of 2.01
Author: Kouyoumjian, W. L.
Author Affil.: NASA Langley Research Center
Accession Number: 66N81676
Report Number: NACA-RM-SL56L12
Document ID (CASI): 19660082192

Publication Date: Jan 15, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental Investigation of Vibratory Stresses in a Concentric-Ring Direct-Air-Cycle Nuclear Fuel Element
Author: Chiarito, Patrick T.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E57A29
Document ID (CASI): 20090024826
Publication Date: January 29, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Republic F-105 Inlet with Various Modifications at Mach 1.41, 1.81, and 2.01
Author: Robins, A. Warner
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7A28
Document ID (CASI): 20090023597
Publication Date: [1957]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Drag and Static Longitudinal and Lateral Stability and Control Characteristics of 1/20-Scale Model of McDonnell F4H-1 Airplane at Mach Numbers of 1.57, 1.87, 2.16, and 2.53. Phase II Model
Author: Carmel, Melvin M.; Turner, Kenneth L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7A14
Document ID (CASI): 20090023600
Publication Date: January 22, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): COMPUTING SQUARES AND SQUARE ROOTS BY SERIES
Author: Cliff, R. A.; Schaefer, D. H.
Author Affil.: NASA Goddard Space Flight Center; NASA Goddard Space Flight Center
Accession Number: 63X15403
Report Number: NASA-TM-X-50359
Document ID (CASI): 19630035456
Publication Date: Jan 1, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): PRELIMINARY STUDY OF THE EFFECT OF BINARY ALLOY ADDITIONS ON THE OXIDATION RESISTANCE OF COLUMBIUM
Author: Barrett, C. A.; Clauss, F. J.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 63X81764
Document ID (CASI): 19630044353
Publication Date: Jan 1, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Interaction potential for hehplus triplet state
Author: Bentley, B.
Author Affil.: NASA Ames Research Center

Accession Number: 65X83046
Report Number: NASA-TM-X-56650
Document ID (CASI): 19650080628
Publication Date: Jan 1, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Dynamic response of a nonlinear membrane in supersonic flow
Author: Mc Elman, J. A.; Schaeffer, H. G.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 64X81968
Document ID (CASI): 19640059943
Publication Date: Jan 1, 1957
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind tunnel investigation at low speed of aerodynamic characteristics of Army Chemical Corps model E-112 bomblets with span chord ratio of 2 - 1
Author: Letko, W.
Author Affil.: NASA Langley Research Center
Accession Number: 71X73176
Report Number: NACA-RM-SL56L20
Document ID (CASI): 19710074594
Publication Date: Dec 26, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The High-Speed Longitudinal Stability and Control of the Bell P-39N-1 Airplane as Calculated from Propeller-Off Tests of a 0.34-Scale Model
Author: Robinson, Robert C.; Perone, Angelo
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA6L27
Document ID (CASI): 20090026314
Publication Date: December 27, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Compilation and analysis of US turbojet and ramjet engine characteristics
Author: Cesaro, R. S.; Walker, C. L.
Accession Number: 71X74414
Report Number: NACA-RM-S56K19
Document ID (CASI): 19710075832
Publication Date: Nov 27, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of pentabone, pentaborane - JP-4 fuel mixtures, and trimethylborate azeotrope fuel in a full-scale turbojet engine
Author: Breitwiesser, Roland; Useller, James W
Accession Number: 93R18899
Report Number: NACA-RM-E56G19
Document ID (CASI): 19930089609
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Structural design of the X-15 research airplane
Author: Schleicher, Richard L
Accession Number: 93R21726

Document ID (CASI): 19930092436
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Transonic aerodynamic characteristics of a 1/15-scale model of the Convair B-58 airplane

Author: Swihart, J. M.
Author Affil.: NASA Langley Research Center
Accession Number: 71X75081
Report Number: NACA-RM-SL56J22
Document ID (CASI): 19710076499
Publication Date: Oct 19, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): NACA reactor facility hazards summary

Author: Hallman, T. M.; Lubarsky, B.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Accession Number: 79X72232
Report Number: NASA-TM-79951
Document ID (CASI): 19790083007
Publication Date: Oct 15, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of ejection release characteristics of four dynamically scaled internal-store shapes from a 1/17-scale simulated bomb bay of the Republic F-105 airplane at Mach numbers of 1.39 and 1.98

Author: Lee, J. B.
Author Affil.: NASA Langley Research Center
Accession Number: 70X71613
Report Number: NACA-RM-SL56I28A; AF-222
Document ID (CASI): 19700090308
Publication Date: Oct 1, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supersonic investigation of the lift, drag, static stability, and hinge-moment characteristics of a rocket-powered model of a ballistic-missile configuration

Author: Gillespie, W., Jr.
Author Affil.: NASA Langley Research Center
Accession Number: 69X76951
Report Number: NACA-RM-L56G24
Document ID (CASI): 19690093428
Publication Date: Sep 28, 1956
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): An Experimental Investigation of Sting-Support Effects on Drag and a Comparison with Jet Effects at Transonic Speeds

Author: Cahn, Maurice S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L56F18a
Document ID (CASI): 20090024828
Publication Date: September 24, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Wing Height and Dihedral on the Lateral Stability Characteristics at Low Lift of a 45 Deg Swept-Wing Airplane Configuration as Obtained from Time-Vector Analyses of Rocket-Propelled-Model Flights at Mach Numbers from 0.7 to 1.3

Author: Gillis, Clarence L.; Chapman, Rowe, Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L56E17

Document ID (CASI): 20050019449

Publication Date: September 14, 1956

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Concluding Report on Free-Spinning and Recovery Characteristics of a 1/24-Scale Model of the Grumman F11F-1 Airplane, TED No. NACA AD 395

Author: Bowman, James S., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL56H02

Document ID (CASI): 20050028485

Publication Date: August 14, 1956

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Relation of turbojet propulsion system development to the strategic bomber mission

Author: Rothrock, A. M.; Cesaro, R. S.; Walker, C. L.

Author Affil.: NASA; NASA; NASA

Accession Number: 73X77902

Report Number: NACA-RM-S56H07

Document ID (CASI): 19730074323

Publication Date: Aug 15, 1956

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal and Lateral Stability Characteristics of a 0.04-Scale Model of the Lockheed F-104A Airplane at Mach Numbers of 1.82 and 2.01. Coord. No. AF-245

Author: Spearman, M. Leroy; Driver, Cornelius

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL56H06

Document ID (CASI): 20090026345

Publication Date: August 06, 1956

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal and Lateral Stability, Control Characteristics, and Vertical-Tail-Load Measurements for 0.03-Scale Model of the Avro CF-105 Airplane at Mach Number 1.41

Author: Spearman, M. Leroy; Robinson, Ross B.; Driver, Cornelius

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL56H27

Document ID (CASI): 20050028458

Publication Date: August 20, 1956

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Internal Performance Data for a Variable-Ejector Assembly on the XJ79-GE-1 Turbojet Engine

Title: Number of Part: 1
Title: Name of Part: Nonafterburning Configurations
Author: Greathouse, William K.; Bloomer, Harry E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E56E23
Document ID (CASI): 20050041839
Publication Date: August 30, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An investigation of the afterbody pressure distribution and fin loading characteristics of a specialized store configuration at transonic speeds
Author: Braden, J. A.; Henry, B. Z., Jr.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X80119
Report Number: NACA-RM-SL56G30
Document ID (CASI): 19710081531
Publication Date: Aug 1, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat transfer and pressure distribution at a Mach number of 6.8 on bodies with conical flares and extensive flow separation
Author: Becker, John V; Korycinski, Peter F
Accession Number: 93R18646
Report Number: NACA-RM-L56F22
Document ID (CASI): 19930089356
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Drag at model trim lift of a 1/15-scale Convair B-58 supersonic bomber
Author: Hopko, R. N.; Kinard, W. H.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 69X71329
Report Number: NACA-RM-SL56G23
Document ID (CASI): 19690087813
Publication Date: Jul 13, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Aerodynamic Characteristics in Pitch of a 1/15-Scale Model of the Grumman F11F-1 Airplane at Mach Numbers of 1.41, 1.61, and 2.01, TED No. NACA DE 390
Author: Driver, Cornelius
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56E24
Document ID (CASI): 20050028479
Publication Date: May 23, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal aerodynamic characteristics of various configurations of a revised 1/22-scale model of the Republic F-105 airplane at Mach numbers of 1.41 and 2.01
Author: Foster, G. V.
Author Affil.: NASA Langley Research Center
Accession Number: 71X75079
Report Number: NACA-RM-SL56E07A
Document ID (CASI): 19710076497

Publication Date: May 4, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Boundary Layer
Author: Loitsianskii, L. G.
Report Number: NACA-TM-1400
Document ID (CASI): 20050028442
Publication Date: May 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of engine operating variables on combustor-inlet parameters
Author: Jones, A. W.; Scull, W. E.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X87770
Document ID (CASI): 19670095383
Publication Date: May 2, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Turbojet-engine starting and acceleration
Author: Mc Cafferty, R. J.; Straight, D. M.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X87771
Document ID (CASI): 19670095384
Publication Date: May 2, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Combustion limits and efficiency of turbojet engines
Author: Barnett, H. C.; Jonash, E. R.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X87772
Document ID (CASI): 19670095385
Publication Date: May 2, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Coke deposition and smoke formation in turbojet engines
Author: Hibbard, R. R.; Wear, J. D.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X87773
Document ID (CASI): 19670095386
Publication Date: May 2, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ram-jet performance
Author: Cervenko, A. J.; Friedman, R.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X87774
Document ID (CASI): 19670095387
Publication Date: May 2, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of operating conditions and design on afterburner performance
Author: Fleming, W. A.; Gabriel, D. S.; Lundin, B. T.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X87775
Document ID (CASI): 19670095388
Publication Date: May 2, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a 1/22-scale of the Republic F-105 airplane in the Langley 8-foot transonic tunnel. Static longitudinal stability and control and performance characteristics at transonic speeds

Author: Luoma, A. A.
Author Affil.: NASA Langley Research Center
Accession Number: 71X71433
Report Number: NACA-RM-SL56D12
Document ID (CASI): 19710072851
Publication Date: Apr 26, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Component Performance Investigation of J71 Experimental Turbine: III - Effect of Third-Stage Shrouding on Over-All Performance

Author: Petrash, Donald A.; Schum, Harold J.; Davison, Elmer H.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E55C29
Document ID (CASI): 20050080689
Publication Date: 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Transonic Wind-Tunnel Investigation of a Seaplane Configuration having a 40 Deg Sweptback Wing, TED No. NACA DE 387

Author: Hieser, Gerald; Kudlacik, Louis; Gray, W. H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55D07; Rept-4960
Document ID (CASI): 20050029376
Publication Date: April 06, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Component Performance Investigation of J71 Experimental Turbine

Title: Number of Part: Part 2
Title: Name of Part: Internal-Flow Conditions with 97-Percent-Design Stator Areas
Author: Rebeske, John J., Jr.; Petrash, Donald A.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E54L16-Pt-2
Document ID (CASI): 20050041779
Publication Date: April 11, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): High performance water-based aircraft: Discussion of research status and indicated capabilities (U)

Author: Nichols, M. R.; Parkinson, J. B.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 72X74999
Document ID (CASI): 19720073775
Publication Date: Apr 1, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Acceleration Investigation of the RA-14 Avon Turbojet Engine
Author: Russey, Robert E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E56C01
Document ID (CASI): 20090026342
Publication Date: March 13, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary investigation of the static longitudinal and lateral stability characteristics of a 1/20-scale model of the McDonnell F4H-1 airplane at Mach numbers of 1.59, 1.89, and 2.09
Author: Carmel, M. M.; Gregory, D. T.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 69X76990
Report Number: NACA-RM-SL56C26
Document ID (CASI): 19690093467
Publication Date: Mar 23, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Laminar Flow About a Rotating Body of Revolution in an Axial Airstream
Author: Schlichting, H.
Report Number: NACA-TM-1415
Document ID (CASI): 20050019631
Publication Date: February 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tabulated Pressure Coefficient Data from a Tail Loads Investigation on a 1/15-Scale Model of the Goodyear XZP5K Airship
Author: Cannon, Michael D.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56C12
Document ID (CASI): 20050028484
Publication Date: [1956]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-speed static stability characteristics of a complete model with an M-wing in mid and high positions and with three horizontal-tail heights
Author: Fournier, Paul G
Accession Number: 93R18331
Report Number: NACA-RM-L55J06
Document ID (CASI): 19930089041
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static Longitudinal and Lateral Stability and Control Data Obtained from Tests of a 1/15-Scale Model of the Goodyear XZP5K Airship, TED No. NACA DE 211
Author: Cannon, Michael D.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56A11
Document ID (CASI): 20050030033
Publication Date: January 11, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Directional Stability of Towed Airplanes
Author: Soehne, W.
Report Number: NACA-TM-1401
Document ID (CASI): 20050019614
Publication Date: January 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/12-Scale Model of the Douglas F4D-1 Airplane, TED No. NACA DE 384
Author: Windham, John O.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56G03
Document ID (CASI): 20050028460
Publication Date: [1956]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning and Recovery Characteristics of a 1/19-Scale Model of the North American T-28C Airplane, TED No. NACA AD 3127
Author: Bowman, James S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56L13
Document ID (CASI): 20050028470
Publication Date: [1956]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Dynamic Investigation of Release Characteristics of a Streamlined Internal Store from a Simulated Bomb Bay of the Republic F-105 Airplane at Mach Numbers of 0.8, 1.4, and 1.98, Coord. No. AF-222
Author: Lee, John B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56F01
Document ID (CASI): 20050028454
Publication Date: [1956]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Discussion of Helicopter Vibration Studies Including Flight Test and Analysis Methods used to Determine the Coupled Response of a Tandem Type
Author: Yeates, John E., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: N-41077
Document ID (CASI): 20090014742
Publication Date: January 23, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static Longitudinal Stability Characteristics of a Series of 90-Millimeter Artillery Shells at Mach Numbers of 0.8, 0.9, 1.0, and 1.2
Author: Spooner, Stanley H.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56D27
Document ID (CASI): 20090013070
Publication Date: [1956]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Exhaust Nozzles for Supersonic Flight with Turbojet Engines
Author: Shillito, Thomas B.; Hearsh, Donald P.; Cortright, Edgar M.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E56A18
Document ID (CASI): 20090024829
Publication Date: January 18, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation to Determine the Effect of Jet Exhaust on Drag, Trim Characteristics, and Afterbody Pressures of a 0.125-Scale Rocket Model of the McDonnell F-101A Airplane
Author: Kennedy, Thomas L.
Report Number: NACA-RM-SL56B03
Document ID (CASI): 20090012112
Publication Date: [1965]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lift, Drag, Static Stability, and Buffet Boundaries of a Model of the McDonnell F3H-1N Airplane at Mach Numbers from 0.40 to 1.27, TED No. NACA DE 351
Author: Crabill, Norman L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL56A13
Document ID (CASI): 20050030066
Publication Date: January 31, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aircraft structures testing at elevated temperatures
Author: Kotanchik, J. N.
Author Affil.: NASA
Accession Number: 75N70814
Report Number: NASA-TM-X-54661
Document ID (CASI): 19750064566
Publication Date: Jan 1, 1956
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Talks presented to ardc committee on propulsion, march 28-29, 1956
Accession Number: 66X81906
Report Number: NASA-TM-X-57278
Document ID (CASI): 19660090347
Publication Date: Jan 1, 1956
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Electric arcs and thermal plasma
Author: Finkelnburg, W.; Maecker, H.
Accession Number: 65X81930

Report Number: NASA-TM-X-56403
Document ID (CASI): 19650079513
Publication Date: Jan 1, 1956
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some effects of roll rate on the longitudinal stability characteristics of the Hughes Falcon missile, "C" configuration, for a Mach number range of 1.1 to 1.8 as determined from flight test
Author: Baber, H. T., Jr.; Lundstrom, R. R.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 69X73037
Report Number: NACA-RM-SL55L16
Document ID (CASI): 19690089517
Publication Date: Dec 27, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Cascade Tests of the NACA 65-(12A(sub 10))10 and NACA 65-(12A(sub 2)I(sub 8b))10 Compressor Blade Sections
Author: Dunavant, James C.; Emery, James C.; Walch, Howard C.; Westphal, Willard R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L55I08
Document ID (CASI): 20050019400
Publication Date: December 21, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Development of S-13G-type coatings as engineering materials Technical progress report, 22 Nov. - 21 Dec. 1955
Author: Zerlaut, G. A.
Author Affil.: IIT Research Inst.
Accession Number: 71X83464
Report Number: NASA-CR-123274; IITRI-U6053-3
Document ID (CASI): 19710084873
Publication Date: Dec 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation at Low Angles of Attack to Determine the Longitudinal Stability and Control Characteristics of the Sidewinder Missile at Mach Numbers from 1.2 to 2.1
Author: Brown, Clarence A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55K16
Document ID (CASI): 20090026358
Publication Date: November 02, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a 1/4-scale model of the Republic F-105 airplane in the Langley 19-foot pressure tunnel. Lateral control and directional stability and control characteristics of model equipped with drooped, supersonic-type, elliptical wing-root inlet
Author: Canoro, P. A.; Kelly, H. N.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X72132
Report Number: NACA-RM-SL55J10

Document ID (CASI): 19710073550
Publication Date: Nov 10, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flutter tests of a 1/25-scale model of the B-36J/RF-84F tip-coupled airplane configuration in the Langley 19-foot pressure tunnel
Author: Neely, R. H.
Author Affil.: NASA Langley Research Center
Accession Number: 71X72133
Report Number: NACA-RM-SL56A25B
Document ID (CASI): 19710073551
Publication Date: Nov 10, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Analysis of low-temperature nuclear-powered ram-jet missile for high altitudes
Author: Sams, Eldon W; Rom, Frank E
Accession Number: 93R18162
Report Number: NACA-RM-E55G21
Document ID (CASI): 19930088872
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Investigation in the Langley Free-Spinning Tunnel of a 1/20-Scale Model of the Douglas XF4D-1 Airplane Including Spin-Recovery Parachute Tests of the Model Loaded to Simulate the Douglas F5D-1 Airplane
Author: Klinar, Walter J.; Lee, Henry A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55L02; Rept-5269
Document ID (CASI): 20050030045
Publication Date: November 21, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind tunnel investigation at low speed of the aerodynamic characteristics of the Army Chemical Corps model E112 bomblets
Author: Letko, W.; Williams, J. L.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X73375
Report Number: NACA-RM-SL55J26
Document ID (CASI): 19710074793
Publication Date: Nov 4, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Naca conference on aerodynamics of high-speed aircraft, a compilation of the papers present- ed
Accession Number: 64X81769
Report Number: NASA-TM-X-51886
Document ID (CASI): 19640059744
Publication Date: Nov 3, 1955
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Aerodynamic Design of Axial-flow Compressors. VI - Experimental Flow in Two-Dimensional Cascades
Author: Lieblein, Seymour

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E55K01a
Document ID (CASI): 20090024980
Publication Date: November 11, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Transonic Zero-Lift Drag Tests of Four Equivalent-Body-of-Revolution Models Representing Variations of the Convair F-102 Airplane
Author: Stoney, William E., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55J31a; Rept-5246
Document ID (CASI): 20050030049
Publication Date: October 17, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Qualitative Results from a Flight Investigation to Determine Aileron Effectiveness of Two Rocket-Propelled 1/20-Scale Models of the MX -76 Missile
Author: Stevens, Joseph E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55J11; Rept-5215
Document ID (CASI): 20050030038
Publication Date: October 20, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Test of the Lateral Stability of a 0.133-Scale Model of the Convair XFY-1 Airplane with Windmilling Propellers at Mach Numbers from 0.70 to 1.12 (TED No. NACA DE 369)
Author: Hollinger, James A.; Mitcham, Grady L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55J31
Document ID (CASI): 20090023602
Publication Date: October 24, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight investigation of a roll-stabilized ramjet test vehicle over a Mach number range of 2.3 to 2.7
Author: Kennedy, T. L.; Trout, O. F., Jr.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 69X76954
Report Number: NACA-RM-L55H11
Document ID (CASI): 19690093431
Publication Date: Oct 7, 1955
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Comparison of the Drag of a Fin-Stabilized Body of Revolution and of a Complete Airplane Configuration as Obtained at Transonic Speeds in a Slotted Wind Tunnel and in Free Flight
Author: Howell, Robert R.; Braslow, Albert L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L55H09; Rept-5146
Document ID (CASI): 20050019382
Publication Date: August 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Design of Axial-Flow Compressors. VII - Blade-Element Flow in Annular Cascades
Author: Robbins, William H.; Jackson, Robert J.; Lieblein, Seymour
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E55G02
Document ID (CASI): 20090026350
Publication Date: August 09, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning and Recovery Characteristics of a 1/18-Scale Model of the Ryan X-13 Airplane as Determined from Tests in the Langley 20-Foot Free-Spinning Tunnel
Author: Bowman, James S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55H08; Rept-5145
Document ID (CASI): 20050030035
Publication Date: July 27, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning Characteristics of a 1/24-Scale Model of the Grumman F11F-1 Airplane, TED No. NACA AD 395
Author: Bowman, James S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55G20; Rept-5121
Document ID (CASI): 20050030040
Publication Date: July 13, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation of a 0.034-Scale Model of the Production Version of the Chance Vought F7U-3 Airplane, TED No. NACA AD 3103
Author: Klinar, Walter J.; Healy, Frederick M.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55G15; Rept-5115
Document ID (CASI): 20050030056
Publication Date: July 06, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental investigation at high subsonic speeds of the rolling-stability derivatives of a 1/22 scale model of the Republic F-105 airplane
Author: Hayes, W. C., Jr.; Sleeman, W. C., Jr.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X72140
Report Number: NACA-RM-SL55F16
Document ID (CASI): 19710073558
Publication Date: Jun 30, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Feasibility performance analysis of the DSV-3E Tiros-K mission
Author: Vanwinkle, D. D.
Author Affil.: NASA Goddard Space Flight Center

Accession Number: 74X76290
Report Number: NASA-TM-X-70096; A2-260-AAC5-D5415
Document ID (CASI): 19740086704
Publication Date: Jun 29, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Injection Principles from Combustion Studies in a 200-Pound-Thrust Rocket Engine Using Liquid Oxygen and Heptane
Author: Heidmann, M. F.; Auble, C. M.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E55C22; L-3572
Document ID (CASI): 20050019330
Publication Date: June 07, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lateral Stability and Control Measurements of a 0.0858-Scale Model of the Lockheed XF-104 Airplane at Transonic Speeds
Author: Arabian, Donald D.; Schmeer, James W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55F08
Document ID (CASI): 20090026307
Publication Date: June 08, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Estimation of incremental pitching moments due to trailing-edge flaps on swept and triangular wings
Author: James, Harry A; Hunton, Lynn W
Accession Number: 93R18060
Report Number: NACA-RM-A55D07
Document ID (CASI): 19930088770
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Temperature in a J47-25 turbojet-engine combustor and turbine sections during steady-state and transient operation in a sea-level test stand
Author: Morse, C R; Johnston, J R
Accession Number: 93R23066
Report Number: NACA-RM-E54K30a
Document ID (CASI): 19930093758
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of the Determination of Inlet-Pressure Distortion Effects on Compressor Stall and Altitude Operating Limits of the J57-P-1 Turbojet Engine
Author: Wallner, L. E.; Lubick, R. J.; Chelko, L. J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE55E23
Document ID (CASI): 20090023603
Publication Date: May 23, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Performance of Modified J71 Afterburner with Revised Engine Operating Conditions
Author: Useller, James W.; Russey, Robert E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE55D12
Document ID (CASI): 20090026462
Publication Date: May 31, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Evaluation of the Roll-Rate Stabilization System of the Sidewinder Missile at Mach Numbers from 0.9 to 2.3
Author: Nason, Martin L.; Brown, Clarence A., Jr.; Rock, Rupert S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55C22
Document ID (CASI): 20090023599
Publication Date: April 22, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation at Low Speed of the Yawing, Pitching, and Static Stability Characteristics of a 1/10-Scale Model of the Grumman F9F-9 Airplane, TED No. NACA AD 3109
Author: Wolhart, Walter D.; Thomas, David F., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55D25; Rept-4995
Document ID (CASI): 20050029437
Publication Date: April 13, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of 15-Stage Experimental J71 Axial-Flow Compressor. III - Effects of Inlet-Guide-Vane Adjustment
Author: Lucas, James G.; Filippi, Richard E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE55D11
Document ID (CASI): 20090026355
Publication Date: April 11, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation at Low Speed of the Rolling Stability Derivatives of a 1/10-Scale Model of the Grumman F9F-9 Airplane, TED No. NACA AD 3109
Author: Wolhart, Walter D.; Thomas, David F., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55E02; Rept-5007
Document ID (CASI): 20050029441
Publication Date: April 18, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Atomization and evaporation of liquid fuels

Author: Bahr, D. W.; Graves, C. C.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88852
Document ID (CASI): 19670096464
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flow and mixing processes in combustion chambers
Author: Mickelsen, W. R.; Scull, W. E.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88853
Document ID (CASI): 19670096465
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ignition and flammability of hydrocarbon fuels
Author: Belles, F. E.; Swett, C. C.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88854
Document ID (CASI): 19670096466
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Laminar flame propagation
Author: Dugger, G. L.; Gerstein, M.; Simon, D. M.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88855
Document ID (CASI): 19670096467
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Turbulent flames
Author: Dugger, G. L.; Gerstein, M.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88856
Document ID (CASI): 19670096468
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flame stabilization
Author: Dugger, G. L.; Gerstein, M.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88857
Document ID (CASI): 19670096469
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Diffusion flames
Author: Brokaw, R. S.; Gerstein, M.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88858
Document ID (CASI): 19670096470

Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Oscillations in combustors
Author: Blackshear, P. L., Jr.; Rayle, W. D.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88859
Document ID (CASI): 19670096471
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Smoke and coke formation in the combustion of hydrocarbon-air mixtures
Author: Hibbard, R. R.; Schalla, R. L.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 67X88860
Document ID (CASI): 19670096472
Publication Date: Apr 1, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Spatial Burnout in Water Reactors with Nonuniform Startup Distributions of Uranium and Boron
Author: Fox, Thomas A.; Bogart, Donald
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E55C16
Document ID (CASI): 20090023596
Publication Date: March 23, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-Lift Drag of the Grumman F9F-9 Airplane as Obtained by a 1/7.5-Scale Rocket-Boosted Model and by Three 1/45.85-Scale Equivalent-Body Models between Mach Numbers of 0.8 and 1.3, TED No. NACA DE 391
Author: Stevens, Joseph E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55D15; Rept-4987
Document ID (CASI): 20050029377
Publication Date: March 24, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics of a 0.04956-Scale Model of the Convair F-102A Airplane at Transonic Speeds
Author: Tempelmeyer, Kenneth E.; Osborne, Robert S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55D19; Rept-4990
Document ID (CASI): 20050029389
Publication Date: March 28, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Test-Chamber Investigation of the Endurance and Performance Characteristics of the J65-W-7 Engine at a Mach Number of 2.0
Author: Biermann, A.E.; Braithwaite, Willis M.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE55B07
Document ID (CASI): 20090026354
Publication Date: February 09, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Note on the scavenge of 6-inch-diameter ram-jet exhaust in Mach 3.1, 1- by 1-foot supersonic tunnel
Author: Burgess, Warren C , Jr; Baughman, L Eugene
Accession Number: 93R17862
Report Number: NACA-RM-E54K30
Document ID (CASI): 19930088572
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Transonic free-flight investigation of the longitudinal aerodynamic characteristics of a 1/10-scale steel-wing model of the Northrop MX-775A missile with leading-edge extensions, inboard trailing-edge flaps, and a speed brake on the verticle tail
Author: Arbic, R. G.
Author Affil.: NASA Langley Research Center
Accession Number: 69X71607
Report Number: NACA-RM-SL55B07
Document ID (CASI): 19690088091
Publication Date: Feb 11, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation in the Langley Free-Flight Tunnel of the Low-Speed Stability and Control Characteristics of a 1/10-Scale Model Simulating the Convair F-102A Airplane
Author: Boisseau, Peter C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55B21
Document ID (CASI): 20050029385
Publication Date: February 07, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation to Determine the Effect of Spin-Recovery Rockets and Thrust Simulation on the Recovery Characteristics of a 1/21-Scale Model of the Chance Vought F7U-3 Airplane, TED No. NACA AD 3103
Author: Burk, Sanger H., Jr.; Healy, Frederick M.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55A04
Document ID (CASI): 20050029372
Publication Date: January 14, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Chemical and Physical Properties of Hi-Cal-2
Author: Spakowski, A. E.; Allen, Harrison, Jr.; Caves, Robert M.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E55J03
Document ID (CASI): 20050071619

Publication Date: 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/20-Scale Model of the Boeing Stratocruiser Airplane (C-97)

Author: Fisher, Lloyd J.; Windham, John O.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL9I16

Document ID (CASI): 20050030043

Publication Date: [1955]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Over-all Performance of J65-B3 Turbojet Engine for Reynolds Number Indices from 0.8 to 0.2

Author: Fenn, David B.; Jones, William L.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE55C08

Document ID (CASI): 20050019313

Publication Date: [1955]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/11-Scale Model of the Chance Vought F7U-3 Airplane, TED NO. NACA DE 360

Author: Fisher, Lloyd J.; Windham, John O.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL52K07A

Document ID (CASI): 20050029459

Publication Date: [1955]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Emergency Spin-Recovery Device for the 1/18-Scale Model of the Ryan X-13 Airplane as Determined from Tests in the Langley 20-Foot Free-Spinning Tunnel

Author: Bowman, James S., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL55A25

Document ID (CASI): 20050029375

Publication Date: January 10, 1955

Authorized Users: NASA personnel only

Title (Incl. Subtitle): ANALYSIS OF LIMITATIONS IMPOSED ON ONE-SPOOL TURBOJET-ENGINE DESIGNS BY TURBINES HAVING DOWNSTREAM STATORS AT 0, 2.0, AND 2.8 FLIGHT MACH NUMBERS

Author: Cavicchi, R. H.; Constantine, A. B.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center

Accession Number: 63N12507

Report Number: NACA-RM-E54J14

Document ID (CASI): 19630002631

Publication Date: Jan 19, 1955

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/10-Scale Model of the Grumman F9F-2 Airplane, TED No. NACA DE 335
Author: Fisher, Lloyd J.; McBride, Ellis E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50I29B
Document ID (CASI): 20050029429
Publication Date: [1955]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Thirty-Ninth Annual Report of the National Advisory Committee for Aeronautics: Administrative Report Including Technical Reports Nos. 1111 to 1157
Report Number: NACA-AR-39
Document ID (CASI): 20050019267
Publication Date: 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An investigation of the longitudinal stability characteristics of three specialized store configurations at transonic speeds
Author: Braden, J. A.
Author Affil.: NASA Langley Research Center
Accession Number: 71X71429
Report Number: NACA-RM-SL54L14
Document ID (CASI): 19710072847
Publication Date: Jan 14, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Component Performance Investigation of J71 Type II Turbines V - Internal Flow Conditions of J71 Type IIA Turbine
Author: Schum, Harold J.; Davison, Elmer H.; Petrash, Donald A.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E55H05
Document ID (CASI): 20090023306
Publication Date: [1955]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/12-Scale Model of the Douglas F3D-2 Airplane, TED No. NACA DE 381
Author: Fisher, Lloyd J.; Thompson, William C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL52J30
Document ID (CASI): 20050029469
Publication Date: [1955]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Component Performance Investigation of J71 Type II Turbines: III - Overall Performance of J71 Type IIA Turbine
Author: Schum, Harold J.; Davison, Elmer H.; Petrash, Donald A.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center; NASA Lewis Research Center

Report Number: NACA-RM-E55A20
Document ID (CASI): 20090021651
Publication Date: January 20, 1955
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Flight Tests of 1/9-Scale Convair YF-102 Airplane Wings at Transonic and Supersonic Speeds to Investigate the Possibility of Flutter

Author: O'Kelly, Burke R.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54L22

Document ID (CASI): 20090023313

Publication Date: [1955]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Motion of a ballistic missile angularly misaligned with the flight path upon entering the atmosphere and its effect upon aerodynamic heating, aerodynamic loads, and miss distance

Author: Allen, H Julian

Accession Number: 93R18602

Report Number: NACA-RM-A56F15

Document ID (CASI): 19930089312

Authorized Users: NASA personnel only

Title (Incl. Subtitle): THE BOND ENERGIES OF B-X BONDS

Author: Altshuller, A. P.

Author Affil.: NASA Lewis Research Center

Accession Number: 63X82591

Report Number: NASA-TM-X-50507

Document ID (CASI): 19630045177

Publication Date: Jan 1, 1955

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a 1/4 scale model of the Republic F-105 airplane in the Langley 19 foot pressure tunnel. Longitudinal stability and control and horizontal-tail hinge-moment and normal-force characteristics of the model equipped with a drooped supersonic-type elliptical wing-root inlet

Author: Cancro, P. A.; Kelly, H. N.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X72138

Report Number: NACA-RM-SL55K07

Document ID (CASI): 19710073556

Publication Date: Jan 1, 1955

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Design and Evaluation of a Turbojet Exhaust Simulator, Utilizing a Solid-Propellant Rocket Motor, for use in Free-Flight Aerodynamic Research Models

Author: deMoraes, Carlos A.; Hagginbothom, William K., Jr.; Falanga, Ralph A.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L54I15

Document ID (CASI): 20050019463

Publication Date: December 17, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation of a 1/25-Scale Model of the McDonnell F3H-1N Airplane, TED No. NACA AD 3100
Author: Lee, Henry A.; Wilkes, L. Faye
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL55A10a
Document ID (CASI): 20050029373
Publication Date: December 31, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Low-Speed Wind-Tunnel Investigation of Some Aspects of the Aerodynamic Problems Associated with Missiles Carried Externally in Positions Near Airplane Wings
Author: Alford, William J., Jr.; Silvers, H. Norman; King, Thomas J., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L54J20
Document ID (CASI): 20050019409
Publication Date: December 27, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Data on the Effects of Inlet Pressure Distortions on the J57-P-1 Turbojet Engine
Author: Wallner, Lewis E.; Lubick, Robert J.; Einstein, Thomas H.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center; NASA Lewis Research Center
Report Number: NACA-RM-SE54K19
Document ID (CASI): 20090021949
Publication Date: December 03, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary performance data obtained in a full-scale free-jet investigation of a side-inlet supersonic diffuser
Author: Farley, J. M.; Smith, I. D.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 71X71434
Report Number: NACA-RM-SE54J22
Document ID (CASI): 19710072852
Publication Date: Nov 30, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of Wing Leading-Edge Camber and Tip Modifications on the Aerodynamic Characteristics of a 1/20-Scale Model of the Convair F-102 Airplane at Transonic Speeds
Author: Tempelmeyer, Kenneth E.; Osborne, Robert S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54K29
Document ID (CASI): 20050030054
Publication Date: November 10, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-flight investigation of the full-scale Hughes Falcon missile, D configuration, to determine aileron effectiveness and damping in roll

Author: Lundstrom, R. R.
Author Affil.: NASA Langley Research Center
Accession Number: 69X71354
Report Number: NACA-RM-SL54K19
Document ID (CASI): 19690087838
Publication Date: Nov 19, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of Fuselage Modifications on the Drag Characteristics of a 1/20-Scale Model of the Convair F-102 Airplane at Transonic Speeds

Author: Kelly, Thomas C.; Osborne, Robert S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54K18a
Document ID (CASI): 20050028506
Publication Date: November 02, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Investigation in the Free-Spinning Tunnel of a 1/24-Scale Model of the Grumman F9F-6 Airplane Incorporating only Flaperons for Lateral Control, TED No. NACA DE 364

Author: Klinar, Walter J.; Lee, Henry A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54L01a
Document ID (CASI): 20050029445
Publication Date: November 18, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The effect of wing profile on the transonic characteristics of rectangular and triangular wings having aspect ratios of 3 : transonic bump technique

Author: Nelson, Warren H; Frank, Joseph L
Accession Number: 93R17788
Report Number: NACA-RM-A54H12a
Document ID (CASI): 19930088498
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Air-Launched T-40 Rocket Motors with Two Types of Igniter

Author: Disher, J.H.
Author Affil.: NASA Lewis Research Center
Report Number: NACA-RM-SE54J12
Document ID (CASI): 20090021943
Publication Date: October 13, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Summary of Free-Flight Zero-Lift Drag Results from Tests of 1/5-Scale Models of the Convair YF-102 and F-102A Airplanes and Several Related Small Equivalent Bodies at Mach Numbers from 0.70 to 1.46

Author: Wallskog, Harvey A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54J25
Document ID (CASI): 20090022754
Publication Date: October 13, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental Determination of Linear Dynamics of Two-Spool Turbojet Engines
Author: Novik, David; Heppler, Herbert
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E54J11
Document ID (CASI): 20090026356
Publication Date: October 18, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of 15-Stage Experimental J71 Axial-Flow Compressor: II - Individual Stage Performance Characteristics
Author: Lucas, James G.; Filippi, Richard E.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Report Number: NACA-RM-SE54J19
Document ID (CASI): 20090021945
Publication Date: October 19, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Altitude Performance Data of J71-A2 Turbojet Engine Afterburner
Author: Useller, James W.; Mallett, William E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE54J06
Document ID (CASI): 20090021752
Publication Date: October 07, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A transonic wind-tunnel investigation of the performance and of the static stability and control characteristics of a 1/15-scale model of the Grumman F9F-9 airplane, ted no. NACA DE 390
Author: Bielat, R. P.
Author Affil.: NASA Langley Research Center
Accession Number: 69X72806
Report Number: NACA-RM-SL54J15
Document ID (CASI): 19690089286
Publication Date: Oct 1, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of the Northrop XB-62 missile in the Ames 40 by 80 foot wind tunnel
Author: Graham, D.
Author Affil.: NASA Ames Research Center
Accession Number: 71X72139
Report Number: NACA-RM-SA54I29
Document ID (CASI): 19710073557
Publication Date: Sep 27, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Analysis of Rocket, Ram-Jet, and Turbojet Engines for Supersonic Propulsion of Long-Range Missles. II - Rocket Missile Performance
Author: Huff, Vearl N.; Kerrebrock, Jack
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E54I29a
Document ID (CASI): 20090026217
Publication Date: September 29, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Permeability and Strength Measurements on Sintered, Porous, Hollow Turbine Blades Made by the American Electro Metal Corporation under Office of Naval Research Contract N-ONR-295 (01)

Author: Richards, Hadley T.; Livingood, N.B.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Report Number: NACA-RM-SE54I22
Document ID (CASI): 20090021742
Publication Date: September 17, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation in the Ames 40- by 80-Foot Wind Tunnel of a YT-56A Turboprop Engine Incorporating a Decoupler and a Controlled-Feathering Device

Author: Rogallo, Vernon L.; Yaggy, Paul F.; McCloud, John L., III
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA54I09
Document ID (CASI): 20050019274
Publication Date: September 09, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurement of the Static Stability and Control and the Damping Derivatives of a 0.13-Scale Model of the Convair XFY-1 Airplane, TED No. NACA DE 368

Author: Johnson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54J04
Document ID (CASI): 20090023688
Publication Date: September 17, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a 1/4-scale model of the Republic F-105 airplane in the Langley 19-foot pressure tunnel. Influence of trailing-edge flap span and deflection on the longitudinal characteristics

Author: Cancro, P. A.; Kelly, H. N.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X71426
Report Number: NACA-RM-SL54H27
Document ID (CASI): 19710072844
Publication Date: Sep 3, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An investigation of the hydrodynamic characteristics of a 1/10-size powered dynamic model of the Martin M-267 patrol-type seaplane with two forebody configurations : TED No. NACA DE 376

Author: Mottard, Elmo J; Coffee, Claude W , Jr
Accession Number: 93R17765
Report Number: NACA-RM-SL54G26
Document ID (CASI): 19930088475

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Altitude Performance Data for the J65-B3 Turbojet Engine at Reynolds Number Indices from 0.2 to 0.8

Author: Braithwaite, W.M.; Greathouse, W.K.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center

Report Number: NACA-RM-SE54H18

Document ID (CASI): 20090021720

Publication Date: August 23, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation at Subsonic and Supersonic Speeds of a Fighter Model Employing a Low-aspect-ratio Unswept Wing and a Horizontal Tail Mounted Well above the Wing Plane - Lateral and Directional Stability

Author: Wetzel, Benton E.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA54H26b

Document ID (CASI): 20090025891

Publication Date: August 26, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Altitude Performance Data for the J71-A2 (X-26) Turbojet Engine

Author: Useller, James W.; Mallett, William E.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center

Report Number: NACA-RM-SE54H06

Document ID (CASI): 20090021953

Publication Date: August 19, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect on Drag of Longitudinal Positioning of Half-Submerged and Pylon-Mounted Douglas Aircraft Stores on a Fuselage with and without Cavities between Mach Numbers 0.9 and 1.8

Author: Hoffman, Sherwood; Wolff, Austin L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L54E26

Document ID (CASI): 20050019262

Publication Date: July 15, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a 1/4-scale model of the Republic F-105 airplane in the Langley 19-foot pressure tunnel : longitudinal stability and control of the model equipped with a supersonic-type elliptical wing-root inlet

Author: Kelly, H Neale; Cancro, Patrick A

Accession Number: 93R17628

Report Number: NACA-RM-SL54F28

Document ID (CASI): 19930088338

Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-speed drag and opening characteristics of a Kaman Rotochute model

Author: Lockwood, Vernard E

Accession Number: 93R17505

Report Number: NACA-RM-SL54F10

Document ID (CASI): 19930088215

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Take-Off and Landing Characteristics of a 0.13-Scale Model of the Convair XFY-1 Vertically Rising Airplane in Steady Winds, TED No. NACA DE 368

Author: Schade, Robert O.; Smith, Charles C., Jr.; Lovell, P. M., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54E28

Document ID (CASI): 20050028505

Publication Date: June 22, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Summary of Turbulence Data Obtained During United Air Lines Flight Evaluation of an Experimental C Band (5.5cm) Airborne Weather Radar

Author: Coe, E. C.; Fetner, M. W.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L54F07a

Document ID (CASI): 20050019256

Publication Date: June 17, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Tests of a 0.13-Scale Model of the Convair XFY-1 Vertically Rising Airplane with the Lower Vertical Tail Removed, TED No. DE 368

Author: Lovell, Powell M., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54E07

Document ID (CASI): 20050028502

Publication Date: May 12, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight investigation to evaluate the roll-rate stabilization system of the Naval Ordnance Test Station Sidewinder missile at Mach numbers from 0.9 to 2.3

Author: Brown, C. A., Jr.; Nason, M. L.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X73178

Report Number: NACA-RM-SL54D26

Document ID (CASI): 19710074596

Publication Date: Apr 29, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel Investigation at Subsonic and Supersonic Speeds of a Fighter Model Employing a Low-aspect-ratio Unswept Wing and a Horizontal Tail Mounted Well above the Wing Plane - Longitudinal Stability and Control

Author: Smith, Williard G.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA54D05

Document ID (CASI): 20090025453

Publication Date: April 05, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Effects on the Aerodynamic Characteristics of Modifications to a Model of a Bomb Mounted on a Wing-Fuselage Model and to a Model of the Bomb Alone

Author: King, Thomas J., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54D30

Document ID (CASI): 20050028496

Publication Date: April 16, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental Permeability Measurements on a Strut-Supported Transpiration-Cooled Turbine Blade with Stainless-Steel Shell made by the Federal-Mogul Corporation under Bureau of Aeronautics Contract N0as 51613-C

Author: Richards, Hadley T.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE54D29

Document ID (CASI): 20090026274

Publication Date: April 29, 1954

Authorized Users: NASA personnel only

Distrib. Authoriz. Note: under NASA contract NOas 51613-C

Title (Incl. Subtitle): Performance Analysis of Application of Rocket Engines to Interceptor Airplanes

Author: Luidens, Roger W.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E54D15

Document ID (CASI): 20090025410

Publication Date: April 20, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Altitude Performance Characteristics of the J57-P-1 Turbojet Engine with Fixed-area Exhaust Nozzle

Author: Bloomer, Harry E.; Miller, Robert R.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE54D30

Document ID (CASI): 20090025895

Publication Date: April 30, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An investigation of the longitudinal stability and afterbody pressure characteristics of specialized store configurations at transonic speeds

Author: Braden, J. A.; Henry, B. Z., Jr.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X71430

Report Number: NACA-RM-SL54C24

Document ID (CASI): 19710072848

Publication Date: Mar 31, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vertical Descent and Landing Tests of a 0.13-Scale Model of the Convair XFY-1 Vertically Rising Airplane in Still Air, TED No. NACA DE 368

Author: Smith, Charlee C., Jr.; Lovell, Powell M., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54C19a
Document ID (CASI): 20050030042
Publication Date: March 04, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Force measurements on cone-cylinder body of revolution with various nose and fin configurations at Mach number 4.0
Author: Rabb, Leonard; Messing, Wesley E
Accession Number: 93R17362
Report Number: NACA-RM-E53L29b
Document ID (CASI): 19930088072
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of altitude-ignition characteristics of three fuels of different volatility in a turbojet engine
Author: Braithwaite, Willis M; Sivo, Joseph N
Accession Number: 93R17410
Report Number: NACA-RM-E53L11
Document ID (CASI): 19930088120
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Flight Zero-Lift Drag Results from a 1/5-Scale Model and Several Small-Scale Equivalent Bodies of Revolution of the Convair F-102 Configuration at Mach Numbers up to 1.34
Author: Wallskog, Harvey A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54DO9b
Document ID (CASI): 20090023601
Publication Date: March 29, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary flight measurements of the total- pressure recovery of a split-wing ram-jet inlet at Mach numbers from 1.4 to 3.16
Author: Hinners, A. H., Jr.
Author Affil.: NASA Langley Research Center
Accession Number: 71X71432
Report Number: NACA-RM-SL54C03
Document ID (CASI): 19710072850
Publication Date: Mar 4, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Altitude Operational Characteristics of a J57-P1 Turbojet Engine
Author: Wallner, Lewis E.; Saari, Martin J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE54C31
Document ID (CASI): 20090026275
Publication Date: March 31, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of a Leading-edge Flap upon the Lift, Drag, and Pitching Moment of an Airplane Employing a Thin, Unswept Wing

Author: Heitmeyer, John C.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA54B16
Document ID (CASI): 20090032234
Publication Date: February 16, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Rocket-Motor Operation on the Drag of Three 1/5-Scale Hermes A-3A Models in Free Flight

Author: Jackson, H. Herbert
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54B04
Document ID (CASI): 20050028488
Publication Date: February 10, 1954
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Comparison of experimental hydrodynamic impact loads and motions for a V-step and a transverse-step hydro-ski

Author: Miller, Robert W
Accession Number: 93R17255
Report Number: NACA-RM-L53K20a
Document ID (CASI): 19930087965
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Design of combustor for long-range ram-jet engine and performance of rectangular analog

Author: Rayle, Warren D; Koch, Richard G
Accession Number: 93R17316
Report Number: NACA-RM-E53K13
Document ID (CASI): 19930088026
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Stability Characteristics of the Consolidated Vultee XFY-1 Airplane with Windmilling Propellers as Obtained from Flight of 0.133-Scale Rocket-Propelled Model at Mach Numbers from 0.70 to 1.13

Author: Hastings, Earl C.; Mitcham, Grady L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54F11
Document ID (CASI): 20090023311
Publication Date: [1954]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Flight Tests of 0.11-Scale North American F-100 Airplane Wings to Investigate the Possibility of Flutter in Transonic Speed Range at Varying Angles of Attack

Author: O'Kelly, Burke R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54G29
Document ID (CASI): 20090023309
Publication Date: [1954]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Additional Results on the Static Longitudinal and Lateral Stability Characteristics of a 0.05-Scale Model of the Convair F2Y-1 Airplane at High Subsonic Speeds

Author: Spreeman, Kenneth P.; Few, Albert G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54H05

Document ID (CASI): 20090023320

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics at High and Low Subsonic Mach Numbers of the NACA 0012, 64(sub 2)-015, and 64(sub 3)-018 Airfoil Sections at Angles of Attack from -2 Degrees to 30 Degrees

Author: Critzos, Chris C.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L54H06a

Document ID (CASI): 20050019364

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/10-Scale Model of the North American F-86 Airplane

Author: Fisher, Lloyd J.; McBride, Ellis E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL9K01

Document ID (CASI): 20050030044

Publication Date: [1953]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Stability and Control Flight Tests of a Vertically Rising Airplane Model Similar to the Lockheed XFV-1 Airplane

Author: Kirby, Robert H.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54J18

Document ID (CASI): 20090023639

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Investigation of the Static Longitudinal and Lateral Stability Characteristics of a 0.05-Scale Model of the Convair F2Y-1 Airplane at High Subsonic Speeds

Author: Spreemann, Kenneth P.; Few, Albert G., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54A12

Document ID (CASI): 20090026295

Publication Date: January 12, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Hydrodynamic Investigation of the the Take-Off Characteristics of a 1/10-Scale Dynamic Model of the Convair XF2Y-1 Airplane

Author: McBride, Ellis E.; Fisher, Lloyd J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54G08a
Document ID (CASI): 20090023163
Publication Date: [1954]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Control Characteristics of a 1/20-Scale Model of the Convair F-102 Airplane at Transonic Speeds

Author: Osborne, Robert S.; Tempelmeyer, Kenneth E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54G15

Document ID (CASI): 20090023161

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static Longitudinal and Lateral Stability and Control Characteristics of a 1/15-Scale Model of the Grumman F9F-9 Airplane at a Mach Number of 1.41

Author: Palazzo, Edward B.; Spearman, M. Leroy

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54G08

Document ID (CASI): 20090023310

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Transonic Wind-Tunnel Investigation of the Longitudinal Aerodynamic Characteristics of a Model of the Lockheed XF-104 Airplane

Author: Hieser, Gerald; Reid, Charles F.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54K19a

Document ID (CASI): 20090023314

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Stability and Control Characteristics at Transonic Speeds of a 1/30-Scale Model of the Republic XF-103 Airplane

Author: Luoma, Arvo A.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54H24

Document ID (CASI): 20090023318

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Note on the Effects of First-Order Aerodynamic Loads on Propeller Shaft Loads with Emphasis on Counterrotating Propellers

Author: Rogallo, Vernon L.; McCloud, John L., III; Yaggy, Paul F.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-A54C30

Document ID (CASI): 20040012865

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Hydrodynamic Characteristics of the Panto-Base Chase C-123 Airplane

Author: Thompson, William C.; Fisher, Lloyd J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54A28

Document ID (CASI): 20090026986

Publication Date: January 28, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Results from a 1/10-Scale Rocket Model of the Lockheed XF-104 Airplane at Transonic Mach Numbers

Author: Kehlet, Alan B.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54E14

Document ID (CASI): 20090023148

Publication Date: [1954]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Magnetic fields near twisted wires

Author: Alksne, A. Y.

Author Affil.: NASA Ames Research Center

Accession Number: 64X80716

Document ID (CASI): 19640058694

Publication Date: Jan 1, 1954

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calibration of the Friez Aerovane, Wind Measuring Set An/GMQ-11

Author: McKee, John W.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL53L23B

Document ID (CASI): 20050029416

Publication Date: December 29, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a Related Series of Turbine-Blade Profiles in Cascade

Author: Dunavant, James C.; Erwin, John R.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L53G15

Document ID (CASI): 20050080790

Publication Date: 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flow Coefficients for Orifices in Base of Transpiration-Cooled Turbine Rotor Blade

Author: Donoughe, Patrick L.; Prasse, Ernst I.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E53L30a

Document ID (CASI): 20090025409

Publication Date: December 11, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Rocket-Model Measurements of Zero-Lift Damping in Roll of the Bell MX-776 Missile at Mach Numbers from 0.6 to 1.56

Author: Bland, William N., Jr.; Purser, Paul E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL54A13

Document ID (CASI): 20050029431

Publication Date: December 31, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Low-Speed Stability and Control Characteristics of a 1/10-Scale Model of the Convair YF-102 Airplane in the Langley Free-Flight Tunnel

Author: Johnson, Joseph L., Jr.; Boisseau, Peter C.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL53L04

Document ID (CASI): 20050029408

Publication Date: November 18, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Test Results of Rocket-Propelled Buffet-Research Models Having 45 Degree Sweptback Wings and 45 Degree Sweptback Tails Located in the Wing Chord Plane

Author: Mason, Homer P.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L53I10

Document ID (CASI): 20050041783

Publication Date: November 04, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Recent Results Pertaining to the Application of the "Area Rule"

Author: Whitcomb, Richard T.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L53I15a

Document ID (CASI): 20050019402

Publication Date: October 28, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Brief Investigation of the Hydrodynamic Characteristics of a 1/13.33-Scale Powered Dynamic Model of a Preliminary Design of the Martin XP6M-1 Flying Boat, TED No. NACA DE-385

Author: Blanchard, Ulysse J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL53K06

Document ID (CASI): 20050028465

Publication Date: October 21, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Summary of Rocket-Model Tests at Zero Lift of the Northrop MX-775B Missile Configuration from Mach Numbers of 0.9 to 1.8

Author: Arbic, Richard G.; Gillespie, Warren, Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53J02
Document ID (CASI): 20090026523
Publication Date: October 02, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of spoiler ailerons with and without a gap behind the spoiler on a 45 degree sweptback wing-fuselage combination at Mach numbers from 0.60 to 1.03
Author: Solomon, William; West, F E , Jr; Brummal, Edward M
Accession Number: 93R17107
Report Number: NACA-RM-L53G07a
Document ID (CASI): 19930087817
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Effects of Propeller Operation on the Low-Speed Stability and Control Characteristics of a 1/6-Scale Model of a Revised Configuration of the Republic XF-84H Airplane
Author: Sleeman, William C., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53I24
Document ID (CASI): 20050028463
Publication Date: September 04, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Rocket-Model Investigation of the Longitudinal Stability, Drag, and Duct Performance Characteristics of the North American MX-770 (X-10) Missile at Mach Numbers from 0.80 to 1.70
Author: Bond, Aleck C.; Swanson, Andrew G.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53D10A
Document ID (CASI): 20050029470
Publication Date: September 16, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theory of Wing-Body Drag at Supersonic Speeds
Author: Jones, Robert T.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A53H18a
Document ID (CASI): 20050081861
Publication Date: September 15, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Notes on the Prediction of Shock-induced Boundary-layer Separation
Author: Lange, Roy H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L53I16a
Document ID (CASI): 20090025893
Publication Date: September 16, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation at high subsonic speeds of the static longitudinal and static lateral stability characteristics of a wing-fuselage combination having a triangular wing of aspect ratio 2.31 and an NACA 65A003 airfoil
Author: Wiggins, James W
Accession Number: 93R16900
Report Number: NACA-RM-L53G09a
Document ID (CASI): 19930087610
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation of a modified 1/20-scale model of the Convair MX-1554 airplane at Mach numbers of 1.41 and 2.01
Author: Hilton, John H; Palazzo, Edward B
Accession Number: 93R17081
Report Number: NACA-RM-SL53G30
Document ID (CASI): 19930087791
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lateral Oscillatory Characteristics of the Republic F-91 Airplane Calculated by Using Low-Speed Experimental Static and Rotary Derivatives
Author: Jaquet, Byron M.; Fletcher, H. S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L53G01
Document ID (CASI): 20050019269
Publication Date: August 21, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Study of the Motion and Aerodynamic Heating of Missiles Entering the Earth's Atmosphere at High Supersonic Speeds
Author: Allen, H. Julian; Eggers, A. J., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A53D28
Document ID (CASI): 20050019430
Publication Date: August 25, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Appraisal of Ferrocene as an Igniting Agent for JP-4 Fuel and Fuming Nitric Acid
Author: Miller, Riley O.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E53H21
Document ID (CASI): 20090025894
Publication Date: August 25, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation at Low Speed of the Pitching Stability Derivatives of a 1/9-Scale Powered Model of the Convair XFY-1 Vertically Rising Airplane, TED No. NACA DE 373
Author: Queijo, M. J.; Wolhart, Walter D.; Fletcher, H. S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53G27

Document ID (CASI): 20050029407
Publication Date: July 13, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation of the drag and lateral-stability characteristics of a 1/22-scale model of a bomber airplane employing a low-aspect-ratio triangular wing
Author: Phelps, E. R.
Author Affil.: NASA Ames Research Center
Accession Number: 71X72135
Report Number: NACA-RM-SA53G08
Document ID (CASI): 19710073553
Publication Date: Jul 8, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Spinning and Tumbling Characteristics of a 1/25-Scale Model of the Lockheed XFV-1 Airplane in the Langley 20-Foot Free-Spinning Tunnel
Author: Lee, Henry A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53G24
Document ID (CASI): 20050029432
Publication Date: July 23, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Exploratory Investigation of Some Types of Aeroelastic Instability of Open and Closed Bodies of Revolution Mounted on Slender Struts
Author: Clevenson, S. A.; Wildmayer, E., Jr.; Diederich, Franklin W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L53E07
Document ID (CASI): 20090014039
Publication Date: June 30, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a Half-Conical Scoop Inlet Mounted at Five Alternate Circumferential Locations around a Circular Fuselage Pressure-Recovery Results at a Mach Number 2.01
Author: Hasel, Lowell E.; Lankford, John L.; Robins, A. W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L53D30B
Document ID (CASI): 20050019413
Publication Date: June 30, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-Speed Investigation of the Static Lateral Stability and Control Characteristics of a 1/6-Scale Model of the Republic XF-84H Airplane with the Propeller Operating
Author: Sleeman, William C., Jr.; Morrison, William D., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53G10
Document ID (CASI): 20050029410

Publication Date: June 25, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Transient Performance Data on the J73 Turbojet Engine. II - Altitude, 35,000 Feet

Author: Lubick, Robert J.; Sobolewski, Adam E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE53F29
Document ID (CASI): 20090026528
Publication Date: June 29, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Transient Performance Data on the J73 Turbojet Engine

Title: Number of Part: 3
Title: Name of Part: Altitude, 45,000 Feet
Author: McAulay, John E.; Wallner, Lewis E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE53F30
Document ID (CASI): 20090026297
Publication Date: June 30, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Time-History Data of Maneuvers Performed by a Republic F84G Airplane During Squadron Operational Training

Author: Hamer, Harold A.; Mayo, Alton P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L53C27
Document ID (CASI): 20050019469
Publication Date: May 18, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Brief Hydrodynamic Investigation of a 1/24-Scale Model of the DR-77 Seaplane

Author: Fisher, Lloyd J.; Hoffman, Edward L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53F04
Document ID (CASI): 20090026360
Publication Date: May 20, 1953
Authorized Users: NASA personnel only
Spec. Distrib. Authoriz.: Distribution under U.S. Government purpose rights

Title (Incl. Subtitle): Wind-Tunnel Investigation at Low Speed of the Rolling Stability Derivatives of a 1/9-Scale Powered Model of the Convair XFY-1 Vertically Rising Airplane, TED No. NACA DE 373

Author: Queijo, M. J.; Wolhart, Walter D.; Fletcher, H. S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53E13
Document ID (CASI): 20050029471
Publication Date: May 20, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Static Lateral Stability Characteristics of Wing-Fuselage Combinations at High Subsonic Speeds

Author: Wiggins, James W.; Fournier, Paul G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L53B25a

Document ID (CASI): 20050080789

Publication Date: April 10, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of a 13-Stage Development Compressor for the J40-WE-24 Engine at Equivalent Speeds from 30 to 112 Percent of Design

Author: Hatch, James E.; Lucas, James G.; Finger, Harold B.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE53D17

Document ID (CASI): 20090023716

Publication Date: April 09, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation at Low Speed of the Yawing Stability Derivatives of a 1/9-Scale Powered Model of the Convair XFY-1 Vertically Rising Airplane, TED No. NACA DE 373

Author: Queijo, M. J.; Wolhart, w. D.; Fletcher, H. S.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL53D01

Document ID (CASI): 20050029464

Publication Date: March 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation of a 1/60-scale model of the Republic MX-1554 airplane at a Mach number of 2.85

Author: Dickey, R. R.; Spahr, J. R.

Author Affil.: NASA Ames Research Center; NASA Ames Research Center

Accession Number: 71X72137

Report Number: NACA-RM-SA53C18

Document ID (CASI): 19710073555

Publication Date: Mar 18, 1953

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lift and drag characteristics of the Bell X-5 research airplane at 59 degrees sweepback for Mach numbers from 0.60 to 1.03

Author: Bellman, Donald R

Accession Number: 93R16770

Report Number: NACA-RM-L53A09c

Document ID (CASI): 19930087480

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation at Low Speed of the Static Longitudinal and Lateral Stability Characteristics of a 1/9-Scale Powered Model of the Convair XFY-1 Vertically Rising Airplane
Author: Queijo, M. J.; Wolhart, W. D.; Fletcher, H. S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53B20
Document ID (CASI): 20050080793
Publication Date: 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The sodium hydroxide reactor : effect of reactor variables on criticality and fuel-element temperature requirements for subsonic and supersonic aircraft nuclear propulsion
Author: Bogart, Donald; Valerino, Michael F
Accession Number: 93R16677
Report Number: NACA-RM-E52119
Document ID (CASI): 19930087387
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Attenuation of Plane Shock Waves Moving over very Rough Surfaces
Author: Huber, Paul W.; McFarland, Donald R.; Levine, Philip
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53D13A
Document ID (CASI): 20050029466
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat of Combustion of the Product Formed by the Reaction of Diborane with 1,3-Butadiene
Author: Tannenbaum, Stanley; Allen, Harrison, Jr.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E53H03
Document ID (CASI): 20090016332
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-Speed Longitudinal Stability Characteristics of a 1/6-Scale Model of the Republic XF-84H Airplane with the Propeller Operating
Author: Sleeman, William C.; Byrnes, Andrew L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL-53F26
Document ID (CASI): 20090023635
Publication Date: [1953]
Authorized Users: NASA personnel only
Spec. Distrib. Authoriz.: Distribution under U.S. Government purpose rights

Title (Incl. Subtitle): Ditching Tests of a 1/8-Scale Model of the Chance Vought XF6U-1 Airplane, TED No. NACA DE319

Author: Fisher, Lloyd J., Jr.; McBride, Ellis E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8F28
Document ID (CASI): 20050030050
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Elastic Buckling under Combined Stresses of Flat Plates with Integral Waffle-Like Stiffening

Author: Dow, Norris F.; Levin, L. Ross; Troutman, John L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L53J27
Document ID (CASI): 20050041784
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation of the Stability and Control Characteristics of a 0.13-Scale Model of the Convair XFY-1 Vertically Rising Airplane During Constant-Altitude Transitions, TED No. NACA DE 368

Author: Lovell, Powell M., Jr.; Kibry, Robert H.; Smith, Charles C., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53E18
Document ID (CASI): 20050029472
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Performance and Operational Characteristics of YJ71-A-7 Turbojet Engine

Author: Smith, Ivan D.; Leonard, Charles V.; Bloomer, Harry E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E53E13
Document ID (CASI): 20090023637
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Drag and Longitudinal Trim at Low Lift of the North American YF-100A Airplane at Mach Numbers from 0.76 to 1.77 as Determined from the Flight Test of a 0.11-Scale Rocket Model

Author: Blanchard, Willard S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53E11a
Document ID (CASI): 20090023638
Publication Date: January 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of the Spanwise, Chordwise, and Vertical Location of an External Store on the Aerodynamic Characteristics of a 45 Degree Sweptback Tapered Wing of Aspect Ratio 4 at Mach Numbers of 1.41, 1.62, and 1.96

Author: Jacobsen, Carl R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L52J27
Document ID (CASI): 20050028475
Publication Date: January 09, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics in Pitch and Sideslip at High Subsonic Speeds of a 1/14-Scale Model of the Grumman XF104 Airplane with Wing Sweepback of 42.5 degrees
Author: Kuhn, Richard E.; Draper, John W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53G20
Document ID (CASI): 20090023158
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Wind-Tunnel Tests of a 1/16-Scale Model of the D-558 Research Airplane Lift and Drag Characteristics of the D-558-1 and Various Wing and Tail Configurations
Author: Wright, John D.; Loving, Donald L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J09
Document ID (CASI): 20050019302
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Tests of a 0.13-Scale Model of the Convair XFY-1 Vertically Rising Airplane in a Setup Simulating that Proposed for Captive-Flight Tests in a Hangar, TED No. NACA DE 368
Author: Lovell, Powell M., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL54B16A
Document ID (CASI): 20050028490
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Transonic Wind-Tunnel Investigation of the Trim and Dynamic Response Characteristics of the Horizontal Tail of a 1/7-Scale Model of the Complete Tail of the Grumman XF10F-1 Airplane
Author: Luoma, Arvo A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL53D28
Document ID (CASI): 20050029467
Publication Date: [1953]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The physics of outdoor sound
Author: Ingard, U.
Author Affil.: Massachusetts Inst. of Tech.
Accession Number: 64N85318
Document ID (CASI): 19640057411
Publication Date: Jan 1, 1953
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical Investigation of the Effects of the Artificial-Feel System on the Maneuvering Characteristics of the F-89 Airplane
Author: Abramovitz, Marvin; Schmidt, Stanley F.; Belsley, Steven E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA52L31
Document ID (CASI): 20090026353
Publication Date: December 31, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Effects of a Vortex-Generator Configuration of a 1/4-Scale Model of the X-1 Airplane (10-Percent-Thick Wing)
Author: Runckel, Jack F.; Henderson, James H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L52L26
Document ID (CASI): 20050041843
Publication Date: December 23, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Analysis of a nuclear-powered liquid-metal ducted-fan cycle
Author: Rom, F E; Wachtl, W W
Accession Number: 93R16469
Report Number: NACA-RM-E52G16
Document ID (CASI): 19930087179
Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): Amplitude of Supersonic Diffuser Flow Pulsations
Author: Sterbentz, William H.; Davids, Joseph
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E52I24
Document ID (CASI): 20090016318
Publication Date: December 16, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A wind-tunnel investigation of the stability of the antisubmarine rocket MK 1 Mod 0
Author: Lichtenstein, J. H.; Williams, J. L.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X71428
Report Number: NACA-RM-SL52K05
Document ID (CASI): 19710072846
Publication Date: Nov 13, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): As Investigation at Mach Numbers of 1.41 and 2.01 of the Aerodynamic Characteristics of an 0.025-scale Model of the MX-1712
Author: Smith, Norman F.; Hasel, Lowell E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL52J17

Document ID (CASI): 20090024216
Publication Date: October 17, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Characteristics of a 1/4-Scale Model of the XPV-1 Airplane (TED No. NACA DE-378)

Author: Kelly, Mark W.; Smaus, Louis H.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA52J15

Document ID (CASI): 20050019245

Publication Date: October 15, 1952

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Investigation of Gas Temperature Distribution at Turbine of Three Similar Axial-Flow Turbojet Engines

Author: Prince, W.R.; Schulze, F.W.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E52H06

Document ID (CASI): 20090024825

Publication Date: August 06, 1952

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Low-Speed Static Longitudinal Characteristics of the Republic RF-84F Airplane

Author: Hunton, Lynn W.; Griffin, Roy N., Jr.; James, Harry A.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA52H04

Document ID (CASI): 20090026534

Publication Date: August 04, 1952

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Thrust Augmentation of a Turbojet Engine at Simulated Flight Conditions by Introduction of a Water-Alcohol Mixture into the Compressor

Author: Useller, James W.; Auble, Carmon M.; Harvey, Ray W., Sr.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E52F20

Document ID (CASI): 20050019383

Publication Date: August 18, 1952

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Effect of the WADC 30,000-Horsepower Whirl Rig Upon the Static Characteristics of a Propeller

Author: Salters, Leland B., Jr.; Norton, Harry T., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL52F20

Document ID (CASI): 20050029455

Publication Date: July 2, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Rotor- and Stator-Blade Modifications on Surge Performance of an 11-Stage Axial-Flow Compressor. I - Original Production Compressor of XJ40-WE-6 Engine
Author: Finger, Harold B.; Essig, Robert H.; Conrad, E. William
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE52G03
Document ID (CASI): 20090023706
Publication Date: July 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Summary of Low-Lift Drag and Directional Stability Data from Rocket Models of the Douglas XF4D-1 Airplane with and without External Stores and Rocket Packets at Mach Numbers from 0.8 to 1.38 TED No. NACA DE-349
Author: Mitcham, Grady L.; Blanchard, Willard S.; Hastings, Earl C., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL52G11
Document ID (CASI): 20050029440
Publication Date: July 18, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Time Variation of the Distance Separating Bomb and Dive Bomber Subsequent to Bomb Release
Author: Mathews, Charles W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L52F06a
Document ID (CASI): 20090026273
Publication Date: June 06, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An investigation of longitudinal control characteristics of a wing-tip control surface on a sweptback wing at transonic speeds by the NACA wing-flow method
Author: Trant, James P , Jr
Accession Number: 93R16303
Report Number: NACA-RM-L52B15a
Document ID (CASI): 19930087013
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Small-Scale Transonic Investigation of the Effects of Partial-Span Leading-Edge Camber on the Aerodynamic Characteristics of a 50 Degrees 38' Sweptback Wing of Aspect Ratio 2.98
Author: Alford, William J., Jr.; Byrnes, Andrew L., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L52D08A
Document ID (CASI): 20050019264
Publication Date: June 23, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Time-History Data of Maneuvers Performed by an F-86A Airplane During Squadron Operational Training
Author: Henderson, Campbell; Thornton, James; Mayo, Alton
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L52C19
Document ID (CASI): 20050019265
Publication Date: May 23, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effect of an Operating Propeller on the Aerodynamic Characteristics of a 1/10-Scale Model of the Lockheed XFV-1 Airplane at High Subsonic Speeds (TED No. NACA DE-377)
Author: Sutton, Fred B.; Buell, Donald A.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA52E06
Document ID (CASI): 20090026346
Publication Date: May 06, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation of the aerodynamic characteristics of a 0.07-scale model of the North American MX-770 missile
Author: Pfyl, F. A.
Author Affil.: NASA Ames Research Center
Accession Number: 71X72134
Report Number: NACA-RM-SA52E07
Document ID (CASI): 19710073552
Publication Date: May 7, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Various Blade Modifications on Performance of 16-stage Axial-flow Compressor. V - Effect on Over-all Performance Characteristics of a 20-percent Reduction in Solidity of the Fourteenth through Sixteenth Stage Rotors
Author: Medeiros, Arthur A.; Hatch, James E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-E52D22
Document ID (CASI): 20090026453
Publication Date: April 21, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-Speed Wind-Tunnel Investigation of the Drag of a Lockheed F-94C Airplane (A.F. No. 50-956)
Author: Maki, Ralph L.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA52D25
Document ID (CASI): 20090026529
Publication Date: April 25, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Various Blade Modifications in Performance of a 16-Stage Axial-flow Compressor. IV - Effect on Over-all Performance Characteristics of Decreasing Twelfth through Fifteenth Stage Stator-blade Angles 3 deg and Increasing Stator Angles in the Inlet Stages
Author: Hatch, James E.; Medeiros, Arthur A.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E53C14
Document ID (CASI): 20090025892
Publication Date: March 17, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation in the Ames Supersonic Free-Flight Wind Tunnel of the Static Longitudinal Stability of the Hermes A-3B Missile at a Mach Number of 5.0
Author: Denardo, Billy Pat; Canning, Thomas N.
Author Affil.: NASA Ames Research Center; NASA Ames Research Center
Report Number: NACA-RM-SA52C10
Document ID (CASI): 20090023659
Publication Date: March 10, 1952
Authorized Users: NASA personnel only
Spec. Distrib. Authoriz.: Distribution under U.S. Government purpose rights

Title (Incl. Subtitle): A Correlation by Means of the Transonic Similarity Rules of the Experimentally Determined Characteristics of 22 Rectangular Wings of Symmetrical Profile
Author: Mcdevitt, John B
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Accession Number: 93R16220
Report Number: NACA-RM-A51L17b
Document ID (CASI): 19930086930
Publication Date: February 25, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Various Blade Modifications on Performance of a 16-Stage Axial-Flow Compressor. III - Effect on Over-All Performance Characteristics on Increasing Stator-Blade Angles in Inlet Stages
Author: Medeiros, Arthur A.; Hatch, James E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E52B15
Document ID (CASI): 20090025260
Publication Date: February 15, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Force Characteristics in the Submerged and Planing Condition of a 1/5.78-Scale Model of a Hydro-Ski-Wheel Combination for the Grumman JRF-5 Airplane. TED No. NACA DE 357
Author: Land, Norman S.; Pelz, Charles A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SLS2B28
Document ID (CASI): 20090026574
Publication Date: February 20, 1952
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Various Blade Modifications on Performance of a 16-Stage High-pressure-ratio Axial-flow Compressor. Angles 3 deg

Title: Number of Part: 1

Title: Name of Part: Effect on Over-all Performance Characteristics of Decreasing Twelfth Through Fifteenth Stage Stator-blade Angles 3 deg

Author: Medeiros, Arthur A.; Hatch, James E.; Dugan, James F., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-E51L03

Document ID (CASI): 20090025405

Publication Date: [1952]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation of a 1/24-Scale Model of the Grumman F9F-6 Airplane TED No. NACA DE 364

Author: Klinar, Walter J.; Healy, Frederick M.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL52G03A

Document ID (CASI): 20050029457

Publication Date: [1952]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Wind-Tunnel Investigation to Determine the Effect of Various Head Designs on the Aerodynamic Characteristics in Pitch of the Army Ordnance Corps T205 3.5-Inch Heat Rocket

Author: Morrison, William D., Jr.; Kuhn, Richard E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL52G15

Document ID (CASI): 20050029435

Publication Date: [1952]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Flight-Tunnel Investigation of the Dynamic Stability and Control Characteristics of a Chance Vought F7U-3 Airplane in Towed Flight

Author: Grana, David C.; Shanks, Robert E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL53D07

Document ID (CASI): 20050029465

Publication Date: [1952]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Various Blade Modifications on Performance of a 16-Stage Axial-Flow Compressor. II - Effect on Over-All Performance Characteristics of Increasing Twelfth through Fifteenth Stage Stator-Blade Angles 3 deg

Author: Hatch, James E.; Medeiros, Arthur A.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E52A10

Document ID (CASI): 20090023705

Publication Date: January 05, 1952

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Thirty-Seventh Annual Report of the National Advisory Committee for Aeronautics: Administrative Report Including Technical Report Nos. 1003 to 1958

Report Number: NACA-AR-37

Document ID (CASI): 20050019295

Publication Date: 1952

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Approximate Method of Calculating the Deformations of Wings Having Swept, M or W, A, and Swept-Tip Plan Forms

Author: Zender, George W.; Brooks, William A., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L53A23

Document ID (CASI): 20050019432

Publication Date: [1952]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Combustion in the Wake as a Means of Body-Drag Reduction as Determined from Free-Flight Tests of 40-Millimeter Shells

Author: Welsh, Clement J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL53D01A

Document ID (CASI): 20050029460

Publication Date: [1952]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Development of welding techniques and filler metals for high strength aluminum alloys third quarterly report, 1 jan. - 31 mar. 1965

Author: Burghard, H. C., Jr.; Lenamond, N. G.; Speirs, K. K.

Author Affil.: Southwest Research Inst.; Southwest Research Inst.; Southwest Research Inst.

Accession Number: 65X15874

Report Number: NASA-CR-62912

Document ID (CASI): 19650062279

Publication Date: Jan 1, 1952

Authorized Users: NASA personnel and NASA contractors only

Title (Incl. Subtitle): Wind-tunnel investigation of the descent characteristics of bodies of revolution simulating anti-personnel bombs

Author: Sher, S. H.

Author Affil.: NASA Langley Research Center

Accession Number: 71X71431

Report Number: NACA-RM-SL51L13

Document ID (CASI): 19710072849

Publication Date: Dec 19, 1951

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Graphic Analysis of American and British Axial-Flow Turbojet Engine Performance Trends (Current and Future)

Author: Cesaro, Richard S.; Lazar, James

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-51K29
Document ID (CASI): 20050019237
Publication Date: December 10, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Arrangement of bodies of revolution in supersonic flow to reduce wave drag
Author: Friedman, Morris D
Accession Number: 93R23030
Report Number: NACA-RM-A51120
Document ID (CASI): 19930093733
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of turbine-outlet temperature distribution of XJ34-WE-32 turbojet engine
Author: Prince, W R; Wintler, J T
Accession Number: 93R23307
Report Number: NACA-RM-E51K06
Document ID (CASI): 19930094388
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Additional studies of the stability and controllability of an unswept-wing vertically rising airplane model in hovering flight including studies of various tethered landing techniques
Author: Bates, William R; Lovell, Powell M , Jr; Smith, Charles C , Jr
Accession Number: 93R16095
Report Number: NACA-RM-L51I07a
Document ID (CASI): 19930086805
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Determination of shapes of boattail bodies of revolution for minimum wave drag
Author: Adams, M. C.
Author Affil.: NASA Langley Research Center
Accession Number: 69X77574
Report Number: NACA-TN-2550
Document ID (CASI): 19690094051
Publication Date: Nov 1, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Surge Characteristics of XJ34-WE-32 Turbojet Engine
Author: Groesbeck, Donald E.; Peters, Daniel J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RME51J02
Document ID (CASI): 20090026527
Publication Date: October 02, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Dynamic stability and control characteristics of a delta-wing vertically rising airplane model in take-offs, landings and hovering flight
Author: Lovell, Powell M; Bates, William R; Smith, Charles C , Jr
Accession Number: 93R16147
Report Number: NACA-RM-L51H13a
Document ID (CASI): 19930086857
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculations of laminar heat transfer around cylinders of arbitrary cross section and transpiration-cooled walls with application to turbine blade cooling / E. R. G. Eckert and John N. B. Livingood

Author: Eckert, E R G; Livingood, John N B

Accession Number: 93R16024

Report Number: NACA-RM-E51F22

Document ID (CASI): 19930086734

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Combustion Instability in an Acid-Heptane Rocket with a Pressurized-Gas Propellant Pumping System

Author: Tischler, Adelbert O.; Bellman, Donald R.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E51G11

Document ID (CASI): 20050019283

Publication Date: September 27, 1951

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Matching Characteristics of J35-A-23 Compressor and Two-stage Turbine

Author: Dugan, James F., Jr.; Rebeske, John J., Jr.; Finger, Harold B.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E51H15

Document ID (CASI): 20090025452

Publication Date: August 06, 1951

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation to Determine the Effectiveness of a Split-Aileron Type Emergency Spin-Recovery Device for the Northrop XF-89 Airplane

Author: Neihouse, A. I.; Lee, H. A.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL-51H24

Document ID (CASI): 20090023711

Publication Date: August 31, 1951

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Free-Spinning-Tunnel Investigation of a 1/30-Scale Model of the Grumman XF10F-1 Airplane in the Swept-Wing Configuration with Slats Extended

Author: Berman, Theodore

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL51G19

Document ID (CASI): 20090023702

Publication Date: July 24, 1951

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Angle of Incidence of Second-Stage Vane Assembly on Third-Stage Compressor-Blade Vibration and Engine Performance

Author: Meyer, Andre J., Jr.; Calvert, Howard F.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE51F08
Document ID (CASI): 20050019444
Publication Date: June 12, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight performance of a jet power plant
Title: Number of Part: III
Title: Name of Part: operating characteristics of a jet power plant as a function of altitude
Author: Weinig, F.
Author Affil.: Technische Hochschule
Report Number: NACA-TM-1258
Document ID (CASI): 20050242940
Publication Date: May 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Design of Variable Mach Number Asymmetric Super-Sonic Nozzles by Two Procedures Employing Inclined and Curved Sonic Lines
Author: Syvertson, Clarence A.; Savin, Raymond C.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A51A19
Document ID (CASI): 20050080596
Publication Date: April 11, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Coolant-Flow Calibrations of Three Simulated Porous Gas-Turbine Blades
Author: Esger, Jack B.; Lea, Alfred L.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE51C13
Document ID (CASI): 20090023707
Publication Date: March 08, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Strain-Gage Measurements of Buffeting Loads on a Jet-Powered Bomber Airplane
Author: Aiken, William S., Jr.; See, John A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L50I06
Document ID (CASI): 20050031169
Publication Date: March 19, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Error in Airspeed Measurement due to Static-Pressure Field ahead of the Wing Tip of a Swept-Wing Airplane Model at Transonic Speeds
Author: Danforth, Edward C.B.; O'Bryan, Thomas C.
Report Number: NACA-RM-L50L28
Document ID (CASI): 20090012111
Publication Date: March 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics in Pitch of an XB-52 Airplane Model in a High-Speed Wind Tunnel
Author: Cleary, Joseph W.; Coe, Charles F.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA51C16
Document ID (CASI): 20050019436
Publication Date: March 16, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): NACA conference on turbine materials and cooling. A compilation of the papers presented
Accession Number: 81X71865
Report Number: NASA-TM-80937
Document ID (CASI): 19810075706
Publication Date: Mar 15, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Basic Differential Equations in General Theory of Elastic Shells
Author: Vlasov, V. S.
Report Number: NACA-TM-1241
Document ID (CASI): 20050028489
Publication Date: February 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Performance of J35-A-17 Turbojet Engine in an Altitude Chamber
Author: Vincent, K. R.; Gale, B. M.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E50I15
Document ID (CASI): 20050019428
Publication Date: January 03, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The origin of aerodynamic instability of supersonic inlets at subcritical conditions
Author: Ferri, Antonio; Nucci, Louis M
Accession Number: 93R15773
Report Number: NACA-RM-L50K30
Document ID (CASI): 19930086483
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Low-Lift Drag and Duct Pressure Recovery of a 1/8.25-Scale Model of the Consolidated Vultee XF-92 Airplane at Mach Numbers from 0.7 to 1.4
Author: Mitcham, Grady L.; Stevens, Joseph E.; Crabill, Norman L.; Hinnners, Arthur H., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51E23
Document ID (CASI): 20050030034
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tank Investigation of the Grumman JRF-5 Airplane Equipped with Twin Hydro-Skis
TED No. NACA DE 357
Author: Ramsen, John A.; Gray, George R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National
Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA RM-SL52D17
Document ID (CASI): 20050029449
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/24-Scale Model of the Douglas C-124 Airplane
Author: Fisher, Lloyd J.; Windham, John O.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National
Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51F20
Document ID (CASI): 20050029442
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight-Determination of the Low-Lift Drag and Longitudinal Stability of a 1/10-Scale
Rocket-Powered Model of the Douglas XF4D-1 Airplane at Mach Numbers from 0.7
Author: Mitcham, Grady L.; Blanchard, Willard S., Jr.; Hastings, Earl C., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National
Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for
Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51L07
Document ID (CASI): 20050030030
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Factors Affecting the Stating Characteristics of Gas-Turbine Engines
Report Number: NACA-RM-SE51B02
Document ID (CASI): 20090023715
Publication Date: January 31, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results Obtained from Flight Test of a 1/7-Scale Rocket-Powered
Model of the Grumman XF10F Airplane Configuration in the Swept-Wing Condition, TED No. NACA DE
354
Author: Gardner, William N.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL52I25
Document ID (CASI): 20050029468
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Large-scale flight measurements of zero-lift drag at Mach numbers from 0.90 to
1.95 of an arrow wing in combination with a small body
Author: Gillespie, Warren, Jr; Arbic, Richard G
Accession Number: 93R15763
Report Number: NACA-RM-L50K28a
Document ID (CASI): 19930086473
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tank Investigation of the EDO Model 142 Hydro-Ski Research Airplane
Author: Ramsen, John A.; Wadlin, Kenneth L.; Gray, George R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51I24
Document ID (CASI): 20050029446
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Low-Speed Stability and Control Characteristics of a 1/10-Scale Model of the Douglas XF4D-1 Airplane in the Langley Free-Flight Tunnel TED No. NACA DE 349
Author: Johnson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51J22
Document ID (CASI): 20050030031
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Control Performance of General Electric Fuel and Torque Regulator Operating on T31-3 Turbine-Propeller Engine in Sea-Level Test Stand
Author: Oppenheimer, Frank L.; Lazar, James
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE1H20
Document ID (CASI): 20090023636
Publication Date: [1951]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Load-range performance of turbine-propeller engine in transonic speed range and comparison with load-range performance of turbojet engine
Author: Lubarsky, Bernard
Accession Number: 93R15752
Report Number: NACA-RM-E50K02
Document ID (CASI): 19930086462
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Transient Performance Data for Afterburner Operation of Westinghouse Electronic Power Regulator on XJ34-WE-32 Turbojet Engine in Altitude Wind Tunnel
Author: Vasu, George; Schwent, Glennon V.; Ketchum, James R.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE50L29
Document ID (CASI): 20090022362
Publication Date: January 16, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/14-Scale Model of the XC-123 Airplane
Author: Fisher, Lloyd J.; Thompson, William C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL51119
Document ID (CASI): 20090023589
Publication Date: [1951]
Authorized Users: NASA personnel only
Spec. Distrib. Authoriz.: Distribution under U.S. Government purpose rights

Title (Incl. Subtitle): Aerodynamic Characteristics of a Flying-Boat Hull having a Length-Beam Ratio of 15, TED No. NACA 2206
Author: Riebe, John M.; Naeseth, Rodger L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J24
Document ID (CASI): 20050019300
Publication Date: January 23, 1951
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of an end plate on the aerodynamic characteristics of a 20.55 degree sweptback wing with an aspect ratio of 2.67 and a taper ratio of 0.5. : transonic-bump method
Author: Watson, James M
Accession Number: 93R15664
Report Number: NACA-RM-L50H28a
Document ID (CASI): 19930086374
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the dynamic longitudinal stability of two equal size models coupled in tandem with a single joint ;preliminary model flight tests
Author: Shanks, Robert E; Grana, David C
Accession Number: 93R15622
Report Number: NACA-RM-L50H17
Document ID (CASI): 19930086332
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical Investigation of a Proportional-Plus-Flicker Automatic Pilot
Author: Seaberg, Ernest C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L50I19
Document ID (CASI): 20050019266
Publication Date: October 19, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Hydrodynamic properties of planing surfaces and flying boats
Author: Sokolov, N. A.
Report Number: NACA-TM-1246
Document ID (CASI): 20050242060
Publication Date: October 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Damping in yaw and static directional stability of a canard airplane model and of several models having fuselages of relatively flat cross section
Author: Johnson, Joseph L
Accession Number: 93R15708
Report Number: NACA-RM-L50H30a
Document ID (CASI): 19930086418

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Dynamic Response of Control Servo System Installed in NAES-Equipped SB2C-5 Airplane (Bauer No. 83135)

Author: Smaus, Louis H.; Stewart, Elwood C.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA50J05

Document ID (CASI): 20090023319

Publication Date: October 05, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of sweep on the maximum-lift characteristics of four aspect-ratio-4 wings at transonic speeds

Author: Turner, Thomas R

Accession Number: 93R15592

Report Number: NACA-RM-L50H11

Document ID (CASI): 19930086302

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Performance of Axial-Flow Compressor of XT-46 Turbine-Propeller Engine

Title: Number of Part: II

Title: Name of Part: Performance of Revised Compressor at Design Equivalent Speed

Author: Creagh, John W. R.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE50J10

Document ID (CASI): 20050019445

Publication Date: October 27, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Performance Data on Westinghouse Electronic Power Regulator Operating on J34-WE-32 Turbojet Engine in Altitude Wind Tunnel

Author: Ketchum, James R.; Blivas, Darnold; Pack, George J.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE50J11

Document ID (CASI): 20090026535

Publication Date: October 11, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Downwash, Sidewash, and Mach Number Distribution behind a Rectangular Wing at a Mach Number of 2.41

Author: Adamson, D.; Boatright, William B.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Report Number: NACA-RM-L50G12; NACA Rept 1340

Document ID (CASI): 20090021561

Publication Date: September 14, 1950

Authorized Users: NASA personnel only

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Title (Incl. Subtitle): Investigation of Altitude Ignition, Acceleration, and Steady-State Operation with a Single Combustor of a J47 Turbojet Engine
Author: Cook, William P.; Butze, Helmut F.
Report Number: NACA-RM-SE50J12
Document ID (CASI): 20090022098
Publication Date: September 22, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Summary of the Aerodynamic Characteristics and Flying Qualities Obtained from Flights of Rocket-Propelled Models of an Airplane Configuration Incorporating a Sweptback Inversely Tapered Wing at Transonic and Low-Supersonic Speeds

Author: Mitcham, Grady L.; Blanchard, Willard S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L50G18a
Document ID (CASI): 20050019416
Publication Date: September 07, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigations of Lateral Stability of a Glide Bomb Using Automatic Control Having No Time Lag
Author: Sponder, E. W.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1248
Document ID (CASI): 20050028453
Publication Date: August 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The transonic characteristics of a low-aspect-ratio triangular wing with a constant-chord flap as determined by wing-flow tests, including correlation with large-scale tests
Author: Rathert, George A., Jr.; Rolls, L Stewart; Hanson, Carl M
Accession Number: 93R15500
Report Number: NACA-RM-A50E10
Document ID (CASI): 19930086210
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements of the effect of trailing-edge thickness on the zero-lift drag of thin low-aspect-ratio wings
Author: Morrow, John D
Accession Number: 93R15538
Report Number: NACA-RM-L50F26
Document ID (CASI): 19930086248
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of an Autopilot Sensitive to Yawing Velocity on the Lateral Stability of the Douglas D-558-II Airplane
Author: Gates, Ordway B., Jr.; Sternfield, Leonard
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L50F22
Document ID (CASI): 20050019392
Publication Date: August 17, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental Investigation of Spreading Characteristics of Choked Jets Expanding into Quiescent Air

Author: Rousso, Morris D.; Kochendorfer, Fred D.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E50E03a

Document ID (CASI): 20050080794

Publication Date: 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Subsonic Gas Flow Past A Wing Profile

Author: Christianovich, S. A.; Yuriev, I. M.

Report Number: NACA-TM-1250

Document ID (CASI): 20050028456

Publication Date: July 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Exact Solutions of Equations of Gas Dynamics

Author: Kiebel, I. A.

Report Number: NACA-TM-1260

Document ID (CASI): 20050028494

Publication Date: June 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical Investigations on the Efficiency and the Conditions for the Realization of Jet Engines

Author: Roy, Maurice

Report Number: NACA-TM-1259

Document ID (CASI): 20050241986

Publication Date: June 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Range Performance of Bombers Powered by Turbine-Propeller Power Plants

Author: Cline, Charles W.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L50F12; Rept-3185

Document ID (CASI): 20050019288

Publication Date: June 20, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Performance of Axial-Flow Compressor of XT-46 Turbine-Propeller Engine. I - Preliminary Investigation at 50-, 70-, and 100-Percent Design Equivalent Speed

Author: Creagh, John W.R.; Sandercrock, Donald M.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE50E22

Document ID (CASI): 20090025261

Publication Date: May 22, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Data from Tests of a 1/5-Scale Model of a Proposed High-Speed Submarine in the Langley Full-Scale Tunnel

Author: Cocke, Bennie W.; Lipson, Stanley; Scallion, William I.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL50E09a

Document ID (CASI): 20090026505

Publication Date: May 09, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Subsonic Performance Characteristics and Boundary-Layer Investigations of a 12 10-Inch-Inlet-Diameter Conical Diffuser

Author: Little, B. H., Jr.; Wilbur, Stafford W.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L50C02a

Document ID (CASI): 20050092438

Publication Date: May 11, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Spin and Recovery Characteristics of a 0.057-Scale Model of the Modified Chance Vought XF7U-1 Airplane

Author: Berman, Theodore; Pumphrey, Norman E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL50F02

Document ID (CASI): 20050080688

Publication Date: 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/24-Scale Model of the Boeing B-47 Airplane

Author: Fisher, Lloyd J.; Windham, John O.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL50E03

Document ID (CASI): 20050029374

Publication Date: May 2, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel investigation of a 0.6-scale model of Hughes MX-904 tail surface at supersonic speeds. Tail attached to a segment of the foreshortened body

Author: Conner, D. W.; Guy, L. D.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center

Accession Number: 71X71427

Report Number: NACA-RM-SL50E10

Document ID (CASI): 19710072845

Publication Date: May 4, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Model ditching investigations of three airplanes equipped with hydro-skis

Author: Fisher, L. J.

Author Affil.: NASA Langley Research Center

Accession Number: 68N86197
Report Number: NASA-TM-X-61112; NACA-RM-L9K23
Document ID (CASI): 19680071386
Publication Date: Apr 25, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Various Modifications on Drag and Longitudinal Stability and Control Characteristics at Transonic Speeds of a Model of the XF7U-1 Tailless Airplane: NACA Wing-Flow Method, TED No. NACA DE 307

Author: Sawyer, Richard H.; Trant, James P., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50D18
Document ID (CASI): 20050028471
Publication Date: April 20, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static Longitudinal Stability of a Tandem-Coupled Bomber-Fighter Airplane Configuration Similar to One Proposed by Douglas Aircraft Company, Inc.

Author: Hewes, Donald E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50E01
Document ID (CASI): 20050029391
Publication Date: April 28, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Rough-Water Tests of Models of the Vosper and Plum Planing Boats

Author: Chambliss, Derrill B.; Blanchard, Ulysse J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50D25
Document ID (CASI): 20050028455
Publication Date: April 27, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Formation of Shock Waves in Subsonic Flows With Local Supersonic Velocities

Author: Frankl, F. I.
Report Number: NACA-TM-1251
Document ID (CASI): 20050028457
Publication Date: April 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vibration of a Wing of Finite Span in a Supersonic Flow

Author: Haskind, M. D.; Falkovich, S. V.
Report Number: NACA-TM-1257
Document ID (CASI): 20050019613
Publication Date: April 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some Studies on the Flow of a Gas in the Region of Transition Through the Velocity of Sound

Author: Kiebel, I. A.

Report Number: NACA-TM-1252
Document ID (CASI): 20050028491
Publication Date: April 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of a Northrop XSSM-A-3 Missile in the Ames 40- by 80-Foot Wind Tunnel: Stability and Control

Author: Maki, Ralph L.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA50D05

Document ID (CASI): 20050019252

Publication Date: April 05, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of High-Subsonic Performance Characteristics of a 12 degree 21-Inch Conical Diffuser, Including the Effects of Change in Inlet-Boundary-Layer Thickness

Author: Copp, Martin R.; Klevatt, Paul L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L9H10

Document ID (CASI): 20050092434

Publication Date: March 24, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Summary of Investigations of Mark 25 Aerial-Torpedo Turbine

Author: Schum, Harold J.; Whitney, Warren J.; Buckner, Howard A., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE50D12

Document ID (CASI): 20050019333

Publication Date: March 1, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Zero-Lift Drag of Several Configurations of the XAAM-N-2 Pilotless Aircraft. TED No. NACA DE332

Author: Hall, James R.; Sandahl, Carl A.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL50C16a

Document ID (CASI): 20090026496

Publication Date: March 16, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation of a 1/24-Scale Model of the Grumman AF-2S, -2W Airplane

Author: Klinar, Walter J.; Wilson, Jack H.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL51B20

Document ID (CASI): 20050029448

Publication Date: March 12, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Boundary Layers in Fluids with Little Friction
Author: Blasius, H.
Report Number: NACA-TM-1256
Document ID (CASI): 20050028493
Publication Date: February 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Flight Investigation of the Static and Dynamic Longitudinal Stability Characteristics of 1/3.7-Scale Rocket-Powered Models of the Bell MX-776A
Author: Michal, David H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50B23
Document ID (CASI): 20050028504
Publication Date: February 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Performance Data on General Electric Integrated Electronic Control Operating on J47 RX1-3 Turbojet Engine in NACA Altitude Wind Tunnel
Author: Blivas, Darnold; Taylor, Burt L., III
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE50G12
Document ID (CASI): 20050019315
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static Longitudinal Stability of a Tandem-Coupled Bomber-Fighter Airplane Configuration Proposed by All American Airways, Inc.
Author: Hewes, Donald E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50C14A
Document ID (CASI): 20050028478
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calibration of Instruments for Measuring Wind Velocity and Direction
Author: Vogler, Raymond D.; Pilny, Miroslav J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50I07
Document ID (CASI): 20090023624
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Yawed-Landing Investigation of a Model of the Convair Y2-2 Airplane, TED No. NACA DE 363
Author: Hoffman, Edward L.; Fisher, Lloyd J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51H17A
Document ID (CASI): 20050029444
Publication Date: [1950]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Longitudinal Characteristics of the MX-656 Configuration using Rocket-Propelled Models Preliminary Results at Mach Numbers from 0.65-1.25

Author: Mitchell, Jesse L.; Peck, Robert F.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL50J03

Document ID (CASI): 20090023623

Publication Date: [1950]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Gust-Tunnel Investigation to Determine the Load at the Joint of a Coupled Airplane Configuration Encountering a Gust

Author: Cahen, George L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL51E01A

Document ID (CASI): 20050019447

Publication Date: [1950]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of a Hermes A-2 Missile Body at Mach Number 4.04

Author: Ulmann, Edward F.; Lord, Douglas R.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL50H23A

Document ID (CASI): 20050029428

Publication Date: [1950]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Transonic Stability and Control Investigation of a 1/80-Scale Model of the Consolidated Vultee Skate 9 Seaplane, TED No. NACA DE 345: Transonic-Bump Method

Author: Riebe, John M.; MacLeod, Richard G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL51E22

Document ID (CASI): 20050030032

Publication Date: [1950]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of a 0.6-Scale Model of Hughes MX-904 Tail Surface at Supersonic Speeds Several Combinations of the Tail with Each of Two Foreshortened Body Segments

Author: Guy, Lawrence D.; Conner, D. William

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL50G13

Document ID (CASI): 20050029421

Publication Date: [1950]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Equations of motion of a rocket

Author: Gantmacher, F. R.; Levin, L. M.

Report Number: NACA-TM-1255

Document ID (CASI): 20050242072
Publication Date: 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation of a 1/30-Scale Model of the Grumman XF10F-1 Airplane
Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50L14
Document ID (CASI): 20090023626
Publication Date: December 14, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of the Northrop XSSM-A-3 Missile in the Ames 40- by 80-Foot Wind Tunnel: Wing Modifications
Author: Graham, David
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA50A05
Document ID (CASI): 20050019254
Publication Date: January 05, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/14-Scale Model of the Northrop C-125 Airplane
Author: Fisher, Lloyd J.; Windham, John O.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51C28
Document ID (CASI): 20050030016
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of a Full-Scale Model of the Hughes MX-904 Missile
Report Number: NACA-RM-SL9D28
Document ID (CASI): 20050030059
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/15-Scale Model of the Convair-Liner Airplane
Author: Fisher, Lloyd J.; Thompson, William C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50K02
Document ID (CASI): 20050019446
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Large-Scale Flight Measurements of Zero-Lift Drag at Mach Numbers from 0.90 to 1.95 of 1/14-Scale Model of the Northrop MX-775B Pilotless Aircraft with Small Body
Author: Gillespie, Warren, Jr.; Arbic, Richard G.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50H18
Document ID (CASI): 20090023625

Publication Date: August 18, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of J33-A-27 Turbojet-Engine Compressor
Title: Number of Part: II
Title: Name of Part: Over - All Performance Characteristics of Modified Compressor at Equivalent Impeller Speeds from 6100 to 13,250 RPM
Author: Beede, William L.; Ginsburg, Ambrose
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE50D25
Document ID (CASI): 20050019263
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of J33-A-27 Turbojet-Engine Compressor
Title: Number of Part: III
Title: Name of Part: Over-All Performance Characteristics of Modified Compressor with Water Injection at Design Equivalent Speed of 11,800 RPM
Author: Withee, Joseph R., Jr.; Beede, William L.; Ginsburg, Ambrose
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE50F14
Document ID (CASI): 20050019434
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results Obtained from Flight Test of Rocket Model Having the Tail Only of the Grumman XF10F Airplane Configuration, TED No. NACA DE 354
Author: Gardner, William N.; Edmondson, James L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51E04
Document ID (CASI): 20050019389
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of a Flight Investigation of 1/6-Scale Rocket-Powered Models of the Bell MX-776 to Determine Aileron Rolling Effectiveness and Total Drag
Author: Stevens, Joseph E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51D27
Document ID (CASI): 20050030014
Publication Date: [1950]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Results of the Flight Test of a Dummy of the MX-656 Rocket-Propelled Models
Author: Mitchell, Jesse L.; Peck, Robert F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL50A07
Document ID (CASI): 20090026497

Publication Date: January 07, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): NACA Conference on Aircraft Propulsion Systems Research
Accession Number: 68N88126
Report Number: NASA-TM-X-61289
Document ID (CASI): 19680073315
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some performance and operational problems of turbojet engine at altitude. Part 2 -
Over-all engine performance and operating characteristics at altitude
Author: Fleming, W. A.; Wilsted, H. D.; Young, A. W.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center; NASA Lewis Research
Center
Accession Number: 68N88127
Document ID (CASI): 19680073316
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some performance and operational problems of turbojet engine at altitude. Part 3 -
Effect of altitude on aerodynamic characteristics of turbojet engine components
Author: Sanders, N. D.; Wallner, L. E.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 68N88128
Document ID (CASI): 19680073317
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some performance and operational problems of the turbojet engine at altitude.
Part 4 - Combustion
Author: Childs, J. H.
Author Affil.: NASA Lewis Research Center
Accession Number: 68N88129
Document ID (CASI): 19680073318
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some performance and operational problems of the turbojet engine at altitude.
Part 5 - Effects of fuel and fuel injection
Author: Barnett, H. C.; Gibbons, L. C.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 68N88130
Document ID (CASI): 19680073319
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some performance and operational problems of the turbojet engine at altitude.
Part 6 - Summary and future trends
Author: Olson, W. T.
Author Affil.: NASA Lewis Research Center
Accession Number: 68N88131
Document ID (CASI): 19680073320

Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Thrust augmentation of turbojet engines
Author: Conrad, E. W.; Lundin, B. T.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 68N88132
Document ID (CASI): 19680073321
Publication Date: Jan. 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat and power extraction from turbojet engines
Author: Hensley, R. V.; Rom, F. E.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 68N88133
Document ID (CASI): 19680073322
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Icing problems of turbojet engines
Author: Callaghan, E. E.; Von Glahn, U. H.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 68N88134
Document ID (CASI): 19680073323
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance and operating characteristics of ramjet engines. Part 1 - Introduction
Author: Wyatt, D. M. D.
Author Affil.: NASA Lewis Research Center
Accession Number: 68N88135
Document ID (CASI): 19680073324
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance and operating characteristics of ramjet engines. Part 2 - Internal characteristics
Author: Perchonok, E.; Sterbentz, W. H.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 68N88136
Document ID (CASI): 19680073325
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance and operating characteristics of ramjet engines. Part 3 - External characteristics
Author: Carlton, W. W.; Cohen, C. B.
Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center
Accession Number: 68N88137
Document ID (CASI): 19680073326
Publication Date: JAN 1, 1950
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance and operating characteristics of ramjet engines. Part 4 - Performance analysis

Author: Wyatt, D. M. D.

Author Affil.: NASA Lewis Research Center

Accession Number: 68N88138

Document ID (CASI): 19680073327

Publication Date: JAN 1, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Survey of the turbine cooling problem

Author: Ellerbrock, H. H., Jr.; Schafer, L. J., Jr.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center

Accession Number: 68N88139

Document ID (CASI): 19680073328

Publication Date: JAN 1, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Control studies on turbine engines

Author: Boksenbom, A. S.; Krebs, R. P.

Author Affil.: NASA Lewis Research Center; NASA Lewis Research Center

Accession Number: 68N88140

Document ID (CASI): 19680073329

Publication Date: JAN 1, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Problems relating to rocket engines

Author: Sloop, J. L.

Author Affil.: NASA Lewis Research Center

Accession Number: 68N88141

Document ID (CASI): 19680073330

Publication Date: JAN 1, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of a one-fifth scale model of a proposed high-submerged-speed submarine in the Langley full-scale tunnel /U/

Author: Cocke, B. W.; Lipson, S.; Scallion, W. I.

Author Affil.: NASA Langley Research Center; NASA Langley Research Center; NASA Langley Research Center

Accession Number: 70X70946

Report Number: NACA-RM-SL50K01

Document ID (CASI): 19700089641

Publication Date: Jan 1, 1950

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Investigation of a 1/18-Scale Model of the North American B-45 Airplane

Author: Fisher, Lloyd J.; Thompson, William C.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL9L22a

Document ID (CASI): 20090026459

Publication Date: December 22, 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Landing Procedure in Model Ditching Tests of Bf 109
Author: Sottorf, W.
Report Number: NACA-TM-1247
Document ID (CASI): 20050019585
Publication Date: December 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Pressure-Distribution Measurements on the Tail Surfaces of a Rotating Model of the Design BFW - M31
Author: Kohler, M.; Mautz, W.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1220
Document ID (CASI): 20050029436
Publication Date: December 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Full-Scale Hydrodynamic Evaluation of a Modified Navy J4F-2 Amphibian with a 0.425-Scale XP5M-1 Hull Bottom. TED No. NACA DE325
Author: Land, Norman S.; Elliott, John M.; Christopher, Kenneth W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9L07a
Document ID (CASI): 20090026501
Publication Date: December 07, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigations at High-Subsonic, Transonic, and Supersonic Speeds to Determine Zero-Lift Drag of Fin-Stabilized Bodies of Revolution having Fineness Ratios of 12.5, 8.91, and 6.04 and Varying Positions of Maximum Diameter
Author: Hart, Roger G.; Katz, Ellis R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L9I30
Document ID (CASI): 20050019251
Publication Date: November 30, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Two-Dimensional Potential Flows
Author: Schaefer, Manfred; Tollmien, W.
Author Affil.: Technische Hochschule; Technische Hochschule
Report Number: NACA-TM-1243
Document ID (CASI): 20050028449
Publication Date: November 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurement of Oil-Film Pressures in Journal Bearings under Constant and Variable Loads
Author: Buske, A.; Rolli, W.
Report Number: NACA-TM-1200
Document ID (CASI): 20050029430
Publication Date: November 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Motions of an Oscillating System under the Influence of Flip-Flop Controls

Author: Fluegge-Lotz, I.; Klotter, K.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1237

Document ID (CASI): 20050028480

Publication Date: November 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of some turbulent-boundary-layer velocity profiles at a tunnel wall with Mach numbers up to 1.2

Author: Tulin, Marshall P; Wright, Ray H

Accession Number: 93R15275

Report Number: NACA-RM-L9H29a

Document ID (CASI): 19930085985

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Rotationally Symmetric Potential Flows

Author: Schaefer, Manfred; Tollmien, W.

Author Affil.: Technische Hochschule; Technische Hochschule

Report Number: NACA-TM-1244

Document ID (CASI): 20050019548

Publication Date: November 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Two-Dimensional Motion of a Gas at Large Supersonic Velocities

Author: Falkovich, S. V.

Report Number: NACA-TM-1239

Document ID (CASI): 20050028486

Publication Date: October 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Class of De Laval Nozzles

Author: Falkovich, S. V.

Report Number: NACA-TM-1236

Document ID (CASI): 20050028467

Publication Date: October 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effects of Horizontal-Tail Location and Wing Modifications on the High-Speed Stability and Control Characteristics of a 01.14-Scale Model of the McDonnell XF2H-1 Airplane (TED No, NACA DE336)

Author: Emerson, Horace F.; Axelson, John A.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA9J14

Document ID (CASI): 20090026276

Publication Date: October 14, 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Kingfisher XAUM-2 flying torpedo in the Langley full scale tunnel, ted no. NACA DE 327
Author: Barnett, U. R.; Cocke, B. W.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Accession Number: 71X80116
Report Number: NACA-RM-SL9F23
Document ID (CASI): 19710081528
Publication Date: Oct 6, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): General Characteristics of a Airspeed System using Fuselage Static Vents on a Swept-Wing Airplane
Author: Johnston, J. Ford; OBryan, Thomas C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9J21
Document ID (CASI): 20090026502
Publication Date: October 21, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lift Force of an Arrow-Shaped Wing
Author: Gurevich, M. I.
Report Number: NACA-TM-1245
Document ID (CASI): 20050028450
Publication Date: October 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics of a 0.5-Scale Model of the Fairchild XSAM-N-2 Lark Missile at High Subsonic Speeds
Author: Martin, Andrew; Hunter, Harlo A.
Report Number: NACA-RM-SA9I28; NACA DE322
Document ID (CASI): 20090022099
Publication Date: September 28, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Behavior of the Laminar Boundary Layer for Periodically Oscillating Pressure Variation
Author: Quick, august Wilhelm; Schroeder, K.
Report Number: NACA-TM-1228
Document ID (CASI): 20050028446
Publication Date: September 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigations on the Stability, Oscillation, and Stress Conditions of Airplanes with Tab Control: First Partial Report. Derivation of the Equations of Motion and their General Solutions
Author: Filzek, B.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1197
Document ID (CASI): 20050029422
Publication Date: September 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Smooth-Water Landing Stability and Rough-Water Landing and Take-Off Behavior of a 1/13-Scale Model of the Consolidated Vultee Skate 7 Seaplane, TED No. NACA DE 338
Author: McKann, Robert F.; Coffee, Claude W.; Arabian, Donald D.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9H31
Document ID (CASI): 20050030039
Publication Date: September 8, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Hovering and Low-Speed Performance and Control Characteristics of the Kaman Helicopter Rotor System as Determined on the Langley Helicopter Tower. TED No. NACA DE 205
Author: Carpenter, Paul J.; Paulnock, Russell S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9I27
Document ID (CASI): 20090026503
Publication Date: September 27, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theory of Characteristics
Author: Tollmien, W.
Author Affil.: Technische Hochschule
Report Number: NACA-TM-1242
Document ID (CASI): 20050028448
Publication Date: September 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Static-Pressure Error of a Wing Airspeed Installation of the McDonnell XF-88 Airplane in Dives to Transonic Speeds
Author: Goodman, Harold R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9I12
Document ID (CASI): 20050030041
Publication Date: September 23, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Analysis of Axial-Flow Compressors Having Supersonic Velocity at the Entrance of the Stator
Author: Ferri, Antonio
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L9G06
Document ID (CASI): 20090011997
Publication Date: September 12, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Axial-Flow Supersonic Compressor of the XJ55-FF-1 Turbojet Engine. IV - Analysis of Compressor Operation over a Range of Equivalent Tip Speeds from 801 to 1614 Feet per Second
Author: Graham, Robert C.; Hartmann, Melvin J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE9J14
Document ID (CASI): 20090022318
Publication Date: August 25, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of a 1/18-Scale Model of the Lockheed Constellation Airplane with Speedpak Attached

Author: Fisher, Lloyd J.; Thompson, William C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9H05a
Document ID (CASI): 20050071552
Publication Date: August 09, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Fluid flow through porous metals

Author: Green, L., Jr.
Author Affil.: Jet Propulsion Lab., California Inst. of Tech.
Accession Number: 72X10431
Report Number: NASA-CR-127050; JPL-PR-4-3
Document ID (CASI): 19720068517
Publication Date: Aug 19, 1949
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Performance of J33-A-21 and J33-A-23 Turbojet-Engine Compressors with Water Injection

Author: Beede, William L.; Withee, Joseph R., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE9G13
Document ID (CASI): 20050019420
Publication Date: August 03, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests of a 0.16-Scale Model of the Douglas MX-656 Airplane at High Subsonic Speeds. II - Wing and Fuselage Pressure Distribution

Author: Cleary, Joseph W.; Mellenthin, Jack A.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA9H22
Document ID (CASI): 20090022100
Publication Date: August 22, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An NACA Vane-Type Angle-of-Attack Indicator for use at Subsonic and Supersonic Speeds

Author: Mitchell, Jesse L.; Peck, Robert F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L9F28a
Document ID (CASI): 20050080746
Publication Date: August 16, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Single-Stack Turbine of Mark 25 Torpedo Power Plant with Two Special Nozzles

Title: Number of Part: II

Title: Name of Part: Efficiency with 20 Degrees-Inlet-Angle Rotor Blades

Author: Schum, Harold J.; Whitney, Warren J.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE9H09

Document ID (CASI): 20050019363

Publication Date: August 25, 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flow Measurement by Means of Light Interference

Author: Zobel, Th.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1253

Document ID (CASI): 20050019629

Publication Date: August 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Conditions of Titanium Carbonization - IV

Author: Meerson, G. A.; Lipkes, Y. M.

Report Number: NACA-TM-1235

Document ID (CASI): 20050028464

Publication Date: July 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Installation of Jet Engine Nacelles on a Wing Fourth Partial Report: Pressure-Distribution Measurements on a Sweptback Wing with Jet Engine Nacelle

Author: Buschner, R.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1226

Document ID (CASI): 20050029443

Publication Date: July 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Wind-Tunnel Investigation of the Lateral Stability Characteristics of a 0.10-Scale Model of the Grumman XF9F-2 Airplane, TED No. NACA DE 301

Author: Polhamus, Edward C.; King, Thomas J., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SI9G21A

Document ID (CASI): 20050030036

Publication Date: July 22, 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Comparison of Water-Load Distributions Obtained during Seaplane Landings with Bureau of Aeronautics Specifications. TED No. NACA 2413

Author: Smiley, Robert F.; Haines, Gilbert A.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL9G01

Document ID (CASI): 20090026524
Publication Date: July 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of J33-A-27 Turbojet-Engine Compressor
Title: Number of Part: 1
Title: Name of Part: Center for Infrastructure Engineering Studies
Author: Kovach, Karl; Osborn, Walter M.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE9F30
Document ID (CASI): 20050019297
Publication Date: July 11, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental Flights for Testing of a Reactor as an Expedient for the Termination of Dangerous Spins
Author: Hoehler, P.; Koeppen, I. v.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1221
Document ID (CASI): 20050242932
Publication Date: July 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Low-Speed Static Stability and Control Characteristics of a Model of Bell MX-776
Author: Queijo, M. J.; Michael, W. H., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9G08
Document ID (CASI): 20050031073
Publication Date: July 06, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Performance of AN-F-58 Fuels in British Rolls-Royce Nene Single Combustor
Author: Cook, William P.; Koch, Richard G.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E9D08; Rept-1114
Document ID (CASI): 20050019339
Publication Date: July 08, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Susceptibility to Welding Cracking, Welding Sensitivity, Susceptibility to Welding Seam Cracking, and Test Methods for These Failures
Author: Zeyen, K. L.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1249
Document ID (CASI): 20050019587
Publication Date: June 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transfer from High-Temperature Surfaces to Fluids
Title: Number of Part: Part 3
Title: Name of Part: Correlation of Heat-Transfer Data for Air Flowing in Silicon Carbide Tube with Rounded Entrance, Inside Diameter of 3/4 Inch, and Effective Length of 12 Inches
Author: Sams, Eldon W.; Desmon, Leland G.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E9D12-Pt-3; Rept-1115-Pt-3
Document ID (CASI): 20050019381
Publication Date: June 23, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation in Simulated Vertical Descent of the Characteristics of a Cargo-Dropping Device having Extensible Rotating Blades
Author: Stone, Ralph W., Jr.; Hultz, Burton E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L9G14
Document ID (CASI): 20050019268
Publication Date: July 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Influence of the Application of Power during Spin Recovery of Multiengine Airplanes
Author: Hoehler, P.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1219
Document ID (CASI): 20050029434
Publication Date: June 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Stability and Control Characteristics of a Semispan Wind-Tunnel Model of the XF7U-1 Airplane and a Comparison with Complete-Model Wind-Tunnel Tests and Semispan-Model Wing-Flow Tests
Author: Goodson, Kenneth W.; King, Thomas J., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9A13
Document ID (CASI): 20050080792
Publication Date: 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Investigation of a 1/20-Scale Model of the McDonnell XF2H-1 Airplane
Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9F17
Document ID (CASI): 20090026525
Publication Date: June 17, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Two-Dimensional Wing Theory in the Supersonic Range

Author: Hoenl, H.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1238
Document ID (CASI): 20050028483
Publication Date: June 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Contribution to the Problem of Flow at High Speed
Author: Schmieden, C.; Kawalki, K. H.
Report Number: NACA-TM-1233
Document ID (CASI): 20050028459
Publication Date: June 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests on Various Types of Dive Brakes Mounted in Proximity of the Leading Edge of the Wing
Author: Lattanzi, Bernardino; Bellante, Erno
Report Number: NACA-TM-1161
Document ID (CASI): 20050028408
Publication Date: May 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Systematic Investigations of the Effects of Plan Form and Gap between the Fixed Surface and Control Surface on Simple Flapped Wings
Author: Goethert; Roeber
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1206
Document ID (CASI): 20050019655
Publication Date: May 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Spin Investigation of a 1/29-Scale Model of the Republic XF-91 Airplane with a Conventional Tail Installed
Author: Klinar, Walter J.; Jones, Ira P., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9E20
Document ID (CASI): 20050030060
Publication Date: May 05, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Test Report on Three-and Six-Component Measurements on a Series of Tapered Wings of Small Aspect Ratio (Partial Report: Trapezoidal Wing)
Author: Lange; Wacke
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1225
Document ID (CASI): 20050029438
Publication Date: May 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Jet Diffusion in Proximity of a Wall

Author: Kuechemann, D.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1214
Document ID (CASI): 20050031099
Publication Date: May 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of the Acceleration of Elongated Bodies of Revolution Upon the Resistance in a Compressible Flow
Author: Frankl, F. I.
Report Number: NACA-TM-1230
Document ID (CASI): 20050029447
Publication Date: May 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Axial-Flow Supersonic Compressor of XJ55-FF-1 Turbojet Engine. II - Performance of Inlet Guide Vanes as Separate Component
Author: Graham, Robert C.; Tysl, Edward R.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE9E03
Document ID (CASI): 20090023712
Publication Date: May 03, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of a Full-Scale Model of the Republic XF-91 Airplane in the Ames 40- by 80-Foot Wind Tunnel. Force and Moment Data
Author: Hunten, Lynn W.; Dew, Joseph K.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA9C04
Document ID (CASI): 20090026981
Publication Date: May 04, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Single-Stage Turbine of Mark 25 Torpedo Power Plant with Two Special Nozzles
Title: Number of Part: 1
Title: Name of Part: Efficiency with 0.45-inch Rotor Blades
Author: Schum, Harold J.; Whitney, Waren J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE9G20A
Document ID (CASI): 20090022319
Publication Date: May 04, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Gas Motion in a Local Supersonic Region and Conditions of Potential-Flow Breakdown
Author: Nikolskii, A. A.; Taganov, G. I.
Report Number: NACA-TM-1213
Document ID (CASI): 20050028439
Publication Date: May 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Theory of the Laval Nozzle

Author: Falkovich, S. V.

Report Number: NACA-TM-1212

Document ID (CASI): 20050028438

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lamé's Wave Functions of the Ellipsoid of Revolution

Author: Meixner, J.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1224

Document ID (CASI): 20050242058

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests of a 0.16-Scale Model of the Douglas MX-656 Airplane at High Subsonic Speeds

Title: Number of Part: 1

Title: Name of Part: Stability and Control Characteristics

Author: Hamilton, William T.; Cleary, Joseph W.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA9D26

Document ID (CASI): 20090022160

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transmission in the Boundary Layer

Author: Kalikhman, L. E.

Report Number: NACA-TM-1229

Document ID (CASI): 20050028447

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Test-Chamber Investigation of McDonnell Afterburner on J34 Engine

Author: Reller, John O.; Dowman, Harry W.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE9D19

Document ID (CASI): 20090023627

Publication Date: April 18, 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lecture Series "Boundary Layer Theory"

Title: Number of Part: Part 1

Title: Name of Part: Laminar Flows

Author: Schlichting, H.

Author Affil.: Luftfahrtforschungsanstalt Hermann Goering

Report Number: NACA-TM-1217-Pt-1

Document ID (CASI): 20040021320

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Rotation in Free Fall of Rectangular Wings of Elongated Shape

Author: Dupleich, Paul

Report Number: NACA-TM-1201

Document ID (CASI): 20050029433

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Exact Calculation of Laminar Boundary Layer in Longitudinal Flow over a Flat Plate with Homogeneous Suction

Author: Iglisch, Rudolf

Author Affil.: National Advisory Committee for Aeronautics

Report Number: NACA-TM-1205

Document ID (CASI): 20050019547

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Boundary Layer Theory

Title: Number of Part: Part 1

Title: Name of Part: Laminar Flows

Author: Schlichting, H.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1217-Pt-1

Document ID (CASI): 20050031105

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Boundary Layer Theory

Title: Number of Part: Part 2

Title: Name of Part: Turbulent Flows

Author: Schlichting, H.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1218

Document ID (CASI): 20050040758

Publication Date: April 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): High Speed Stability and Control Characteristics of a 0.17-Scale Model of the McDonnell XF2H-1 Airplane (TED No. NACA DE 318)

Author: Axelson, John A.; Emerson, Horace F.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SA9C31

Document ID (CASI): 20090022152

Publication Date: March 31, 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calibration Tests of a German Log Rodmeter

Author: Mottard, Elmo J.; Stillman, Everette R.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL9C15

Document ID (CASI): 20090026466
Publication Date: March 15, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Development of Spoiler Controls for Remote Control of Flying Missiles
Author: Ernst, G.; Kramer, M.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1210
Document ID (CASI): 20050028416
Publication Date: March 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calibration Tests of a Japanese Log Rodmeter
Author: Mottard, Elmo J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9C14
Document ID (CASI): 20090026467
Publication Date: March 14, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation of 6.25-Inch-Diameter Deacon Rocket and 10-Inch-Scale Model Rocket
Author: Watson, R. S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L8H26
Document ID (CASI): 20050019279
Publication Date: March 25, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flow Pattern in a Converging-Diverging Nozzle
Author: Oswatitsch, K.; Rothstein, W.
Report Number: NACA-TM-1215
Document ID (CASI): 20050031101
Publication Date: March 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Characteristics Method Applied to Stationary Two-Dimensional and Rotationally Symmetrical Gas Flows
Author: Pfeiffer, F.; Meyer-Koenig, W.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1211
Document ID (CASI): 20050028421
Publication Date: March 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Approximate Method for Calculation of the Laminar Boundary Layer with Suction for Bodies of Arbitrary Shape
Author: Schlichting, H.
Author Affil.: Technische Univ.
Report Number: NACA-TM-1216
Document ID (CASI): 20050031104

Publication Date: March 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of a Full-Scale Model of the Republic XF-91 Airplane in the Ames 40- By 80-Foot Wind Tunnel: Pressure Data
Author: Hunton, Lynn W.; Dew, Joseph K.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA9C25
Document ID (CASI): 20050019248
Publication Date: March 25, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Stability and Control Characteristics of a 1/10-scale Model of a Canadian Tailless Glider in the Langley Free-flight Tunnel
Author: Johnson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9C28
Document ID (CASI): 20090026465
Publication Date: March 28, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculation of counterrotating propellers
Author: Ginzler, F.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1208
Document ID (CASI): 20050242059
Publication Date: March 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On Wind Tunnel Tests and Computations Concerning the Problem of Shrouded Propellers
Author: Kruger, W.
Report Number: NACA-TM-1202
Document ID (CASI): 20050241797
Publication Date: February 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Effect of Tip Tanks on the Wing Loading of a Republic F-84 Airplane in the Ames 40- by 80-foot Wind Tunnel
Author: Hunton, Lynn W.; Dew, Joseph K.; Salisbury, Ralph D.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA9B02
Document ID (CASI): 20090026347
Publication Date: February 02, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary wind-tunnel tests of triangular and rectangular wings in steady roll at Mach numbers of 1.62 and 1.92
Author: Brown, Clinton E; Heinke, Harry S , Jr
Accession Number: 93R14844

Report Number: NACA-RM-L8L30
Document ID (CASI): 19930085554
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Spin and Recovery Characteristics of the Northrop XF-89 Airplane
Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9B28a
Document ID (CASI): 20090026468
Publication Date: February 28, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Rough-water Landings of a 0.1-Size Powered Dynamic Model of the XP5Y-1 Flying Boat with Two Types of Afterbody - Langley Tank Model 228 (TED No. NACA DE309)
Author: Garrison, Charlie C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9B09
Document ID (CASI): 20090026469
Publication Date: February 09, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Compression Shocks in Two-Dimensional Gas Flows
Author: Busemann, A.
Report Number: NACA-TM-1199
Document ID (CASI): 20050029423
Publication Date: February 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Response of a Rotating Propeller to Aerodynamic Excitation
Author: Arnoldi, Walter E.
Author Affil.: Hamilton Standard Div., United Aircraft Corp.
Report Number: NACA-RM-8I07
Document ID (CASI): 20050019249
Publication Date: January 21, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Single-Stage Turbine of Marks 25 Torpedo Power Plant with Two Nozzles and Three Rotor-Blade Designs
Author: Schum, Harold J.; Whitney, Warren J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE9J25
Document ID (CASI): 20050029427
Publication Date: [1949]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Systematic model researches on the stability limits of the DVL series of float designs
Author: Sottorf, W.
Report Number: NACA/TM-1254
Document ID (CASI): 20050242069
Publication Date: 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Compressible Flow Past Various Plane Profiles Near Sonic Velocity
Author: Goethert, B.; Kawalki, K. H.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1203
Document ID (CASI): 20050031088
Publication Date: January 13, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Report on Investigation of Developed Turbulence
Author: Prandtl, L.
Report Number: NACA-TM-1231
Document ID (CASI): 20050029454
Publication Date: January 18, 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Axial-Flow Supersonic Compressor of XJ55-FF-1 Turbojet Engine
Title: Number of Part: III
Title: Name of Part: Over-All Performance of Compressor
Author: Hartmann, Melvin J.; Tysl, Edward R.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE9G19
Document ID (CASI): 20050019422
Publication Date: [1949]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Low-Speed Static Stability and Control Characteristics of a Model of the Bell MX-776 (RASCAL) in Combined Angle of Attack and Sideslip
Author: Letko, William
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA RM-SL52D23
Document ID (CASI): 20050029453
Publication Date: [1949]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some New Problems on Shells and Thin Structures
Author: Vlasov, V. S.
Author Affil.: National Advisory Committee for Aeronautics
Report Number: NACA/TM-1204
Document ID (CASI): 20050242949
Publication Date: 1949
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Ditching Investigation of a 1/18-Scale Model of the North American B-45 Airplane
Author: Fisher, Lloyd J.; Thompson, William C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL51C29
Document ID (CASI): 20050030015
Publication Date: [1949]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Air Cooling of Turbine Disk on Power and Efficiency of Turbine from Turbo Engineering Corporation TT13-18 Turbosupercharger.

Author: Berkey, William E.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE9E20

Document ID (CASI): 20090023713

Publication Date: [1949]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental study of flow past turbine blades

Author: Eckert, E.; Vietinghoff-Scheel, K. V.

Report Number: NACA-TM-1209

Document ID (CASI): 20050241784

Publication Date: 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transfer from High-Temperature Surfaces to Fluids III - Correlation of Heat-Transfer Data for Air Flowing in Silicon Carbide Tube with Rounded Entrance, Inside Diameter of 3/4 Inch, and Effective Length of 12 Inches

Author: Sams, Eldon W.; Desmon, Leland G.

Author Affil.: National Advisory Committee for Aeronautics; National Advisory Committee for Aeronautics

Report Number: NACA/RM-E9D12

Document ID (CASI): 20050242946

Publication Date: 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Computation of Thin-Walled Prismatic Shells

Author: Vlasov, V. Z.

Author Affil.: National Advisory Committee for Aeronautics

Report Number: NACA/TM-1234

Document ID (CASI): 20050243020

Publication Date: 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Axial-Flow Supersonic Compressor on XJ-55-FF-1 Turbojet Engine

Title: Number of Part: 1

Title: Name of Part: Preliminary Performance of Compressor

Author: Hartmann, Melvin J.; Graham, Robert C.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE9A31

Document ID (CASI): 20090026509

Publication Date: January 30, 1949

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Resistance and Spray Characteristics of a 1/13-Scale Model of the Consolidated Vultee Skate 7 Seaplane, TED No. NACA DE 338

Author: McKann, Robert E.; Coffee, Claude W.; Arabian, Donald D.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9G21
Document ID (CASI): 20050030062
Publication Date: [1949]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Wind-Tunnel Investigation of the Stability of the Jettisonable Nose Section of the X-2 Airplane
Author: Goddwin, Roscoe H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L9F22
Document ID (CASI): 20050019284
Publication Date: [1949]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Single-Stage Turbine of Mark 25 Torpedo Power Plant with Two Special Nozzles
Title: Number of Part: III
Title: Name of Part: Efficiency with Standard Rotor Blades
Author: Schum, Harold J.; Whitney, Warren J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE9H30
Document ID (CASI): 20050019612
Publication Date: [1949]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On Lift Properties and Induced Drag of Wing-Fuselage Combination
Author: Nikolski, A. A.
Author Affil.: NASA Langley Research Center
Report Number: NASA-RE-5-1-59W
Document ID (CASI): 20030067693
Publication Date: [1949]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of Westinghouse 19B-2 19B-8, and 19XB-1 Jet-Propulsion Engines
Title: Number of Part: Part 1
Title: Name of Part: Operational Characteristics
Author: Fleming, William A.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E8J28-Pt-1
Document ID (CASI): 20050030046
Publication Date: November 22, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Inlet icing and effectiveness of hot-gas bleedback for ice protection of turbojet engine
Author: Fleming, William A; Saari, Martin J
Accession Number: 93R14790
Report Number: NACA-RM-E8J25c

Document ID (CASI): 19930085500
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements in Flight of the Longitudinal-Stability Characteristics of a Republic YF-84A Airplane (Army Serial No. 45-59488) at High Subsonic Mach Numbers
Author: Turner, Howard L.; Cooper, George E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA8K03
Document ID (CASI): 20050019276
Publication Date: November 04, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Simulated Altitude Performance of Combustors for the Westinghouse 24C Jet Engine I-24C-2 Combustor
Author: Manganiello, Eugene J.; Bernardo, Everett; Schroeter, Thomas T.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E6JO9
Document ID (CASI): 20090023598
Publication Date: November 19, 1948
Authorized Users: NASA personnel only
Spec. Distrib. Authoriz.: Distribution under U.S. Government purpose rights

Title (Incl. Subtitle): Method of estimating the minimum size of a tail or wing-tip parachute for emergency spin recovery of an airplane
Author: Malvestuto, Frank S , Jr
Accession Number: 93R23053
Report Number: NACA-RM-L8D27
Document ID (CASI): 19930093751
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the McDonnell XP-85 Airplane in the Ames 40- by 80-Foot Wind Tunnel: Pressure-Distribution Tests
Author: Hunton, Lynn W.; James, Harry A.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA8J22
Document ID (CASI): 20050019260
Publication Date: October 22, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics of an 0.08-Scale Model of the Chance Vought XF7U-1 Airplane in the Langley High-Speed 7-by 10-Foot Tunnel: TED No. DE308
Title: Number of Part: Part 6
Title: Name of Part: Estimated High-Speed Flying Qualities
Author: Donlan, Charles J.; Kuhn, Richard E.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Report Number: NACA-RM-SL8J15-Pt-6
Document ID (CASI): 20050080699
Publication Date: October 28, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical Comparison of Several Methods of Thrust Augmentation for Turbojet Engines

Author: Hall, Eldon W.; Wilcox, E. Clinton

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E8H11

Document ID (CASI): 20050080716

Publication Date: October 27, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Opening Characteristics, Drag, and Stability of Several Hemispherical Parachutes

Author: Scher, Stanley E.; Gale, Lawrence J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L8J07a

Document ID (CASI): 20090026292

Publication Date: October 07, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Influence of Dimensional Modifications upon the Spin and Recovery Characteristics of a Tailless Airplane Model having its Wings Swept Forward 15 Deg (Cornelius XFG-1)

Author: Stone, Ralph W., Jr.; Daughtridge, Lee T., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8H17

Document ID (CASI): 20050019380

Publication Date: September 1, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Measurements of the Longitudinal Stability and Control Characteristics of the Grumman F8F-1 Airplane, TED No. NACA 2379

Author: Assadourian, Arthur; Reeder, John P.

Report Number: NACA-RM-SL8H27

Document ID (CASI): 20050029413

Publication Date: September 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calibration of Air-Flow Meters for J33 Compressor Investigation

Author: Kovach, Karl; Withee, Joseph R., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE8H03

Document ID (CASI): 20050019261

Publication Date: September 02, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Problem of Torsion in Prismatic Members of Circular Segmental Cross Section

Author: Weigand, A.

Report Number: NACA-TM-1182

Document ID (CASI): 20050031085

Publication Date: September 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the McDonnell XP-85 Airplane in the Ames 40- by 80-foot Wind Tunnel. Force and Moment Tests
Author: Hunton, Lynn W.; James Harry A.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA8123
Document ID (CASI): 20090026988
Publication Date: September 27, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of a 3000-Pound-Thrust Axial-Flow Turbojet Engine
Title: Number of Part: Part 5
Title: Name of Part: Performance and Windmilling Drag Characteristics
Author: Meyer, Carl L.; Bloomer, Harry E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E8B26; Rept-928
Document ID (CASI): 20050019242
Publication Date: August 23, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of J33-A-23 Turbojet-Engine Compressor
Title: Number of Part: II
Title: Name of Part: Over-All Performance Characteristics of Compressor with 34-Blade Impeller at Equivalent Impeller Speeds from 6000 to 11.750 RPM
Author: Beede, William L.; Kovach, Karl
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE8H13
Document ID (CASI): 20050019294
Publication Date: August 25, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements on Compressor-Blade Lattices
Author: Weinig, F.
Author Affil.: Luftfahrtforschungsanstalt Hermann Goering
Report Number: NACA-TM-1193
Document ID (CASI): 20050031087
Publication Date: August 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of a 4000-Pound-Thrust Axial-Flow Turbojet Engine
Title: Number of Part: Part 1
Title: Name of Part: Performance and Windmilling Drag Characteristics
Author: Fleming, William A.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E8F09-Pt-1
Document ID (CASI): 20050030047

Publication Date: August 03, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of a 4000-Pound-Thrust Axial-Flow Turbojet Engine

Title: Number of Part: II

Title: Name of Part: Operational Characteristics

Author: Fleming, William A.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E8F09a

Document ID (CASI): 20050019465

Publication Date: August 06, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of Nene II Engine Altitude-chamber Performance Investigation

Title: Number of Part: 3

Title: Name of Part: Altitude Performance using 18.00-inch-diameter Jet Nozzle

Author: Grey, Ralph E.; Brightwell, Virginia L.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E8H06

Document ID (CASI): 20090025888

Publication Date: August 06, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculated Condenser Performance for a Mercury-Turbine Power Plant for Aircraft

Author: Doyle, Ronald B.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E8C23; Rept-952

Document ID (CASI): 20050019308

Publication Date: August 27, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of X24C-2 10-Stage Axial-Flow Compressor. III - Surge Characteristics

Author: Buckner, Howard A., Jr.; Downing, Richard M.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE8H06

Document ID (CASI): 20090023859

Publication Date: August 06, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Summary of Section Data on Trailing-Edge High-Lift Devices

Report Number: NACA-RM-L8D09

Document ID (CASI): 20050080791

Publication Date: 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics of a 3/4-Scale Model of the EX-3 Pine-Cone-Head Pellet in the Langley High-Speed 7-by 10-Foot Wind Tunnel

Author: Campbell, George S.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8G15
Document ID (CASI): 20050030065
Publication Date: August 4, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of First-Stage Blade Design on Performance of Mark 25 Torpedo Power Plant

Author: Schum, Harold J.; Hoyt, Jack W.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE9G20

Document ID (CASI): 20050019423

Publication Date: August 04, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Trim and Tumble Characteristics of a 0.057-Scale Model of the Chance Vought XF7U-1 Airplane, TED NO. NACA DE311

Author: Bryant, Robert L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8F14

Document ID (CASI): 20050028902

Publication Date: July 20, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Test-Chamber Investigation of a Solar Afterburner on the 24C Engine I - Operational Characteristics and Altitude Limits

Report Number: NACA-RM-SE8G02

Document ID (CASI): 20050080795

Publication Date: 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculations of the Dynamic Stress of Several Airplane Wings in Various Gusts

Author: Pierce, Harold B.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8F22

Document ID (CASI): 20050030048

Publication Date: July 12, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Simulated Altitude Performance of Combustors for the 24C Turbojet Engine

Title: Number of Part: 3

Title: Name of Part: Performance of Rectangular-Slot Baskets

Author: Tischler, Adelbert O.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE8G13

Document ID (CASI): 20090026522

Publication Date: July 13, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tank Tests of a Powered Model of a Compression Plane, NACA Model 171A-2

Author: Mottard, Elmo J.; Ruggles, Robert D.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8G02
Document ID (CASI): 20050030053
Publication Date: July 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of J33-A-23 Turbojet-Engine Compressor
Title: Number of Part: Part 1
Title: Name of Part: Over-All Performance Characteristics of Compressor with 17-Blade Impeller
Author: Beede, William L.; Kottas, Harry
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE8F15-Pt-1
Document ID (CASI): 20050019250
Publication Date: July 20, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Spin Tests of 1/20-Scale Models of the Chance Vought Revised XF6U-1 and F6U-1 Airplanes, TED No. NACA 2390
Author: Klinar, Walter J.; Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8F03
Document ID (CASI): 20050028620
Publication Date: June 28, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Wing and the Wing-Fuselage Combination of a Full-Scale Model of the Republic XP-91 Airplane in the Ames 40-by 80-Foot Wing Tunnel
Author: Hunton, Lynn W.; Dew, Joseph K.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA8F09
Document ID (CASI): 20090026536
Publication Date: June 10, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of an Investigation by the Wing-Flow Method of the Longitudinal Stability Characteristics of a 1/50-Scale Semispan Model of the McDonnell XP-88 Airplane
Author: Crane, Harold L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8E28A
Document ID (CASI): 20050028619
Publication Date: June 09, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Comparison of Drop and Wind-Tunnel Experiments on Bomb Drag at High Subsonic Speeds
Author: Gothert, B.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1186
Document ID (CASI): 20050019654
Publication Date: May 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/24-Scale Model of the North American XP-86
Airplane

Author: Berman, Theodore

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8D22

Document ID (CASI): 20050028753

Publication Date: May 17, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Air Force - NACA Conference on XS-1 Flight Research

Document ID (CASI): 19990010661

Publication Date: May 19, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of British Nene II Engine Altitude-Chamber Performance
Investigation Altitude Performance Using Standard 18.75-Inch-Diameter Jet Nozzle

Title: Number of Part: 1

Title: Name of Part: Altitude Performance Using Standard 18.75-Inch-Diameter Jet Nozzle

Author: Barson, Zelmar; Wilsted, H. D.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National
Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E8E12

Document ID (CASI): 20090022750

Publication Date: May 24, 1948

Authorized Users: NASA personnel only

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Title (Incl. Subtitle): Test Report on Three- and Six-Component Measurements on a Series of Tapered
Wings of Small Aspect Ratio

Author: Lange; Wacke

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches
Berichtswesen

Report Number: NACA-TM-1176

Document ID (CASI): 20050009878

Publication Date: May 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within
Thunderstorms September 10, 1947 to September 15, 1947 at Clinton County Army Air Field, Ohio

Author: Funk, Jack

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L8C31

Document ID (CASI): 20050019277

Publication Date: April 08, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within
Thunderstorms September 4, 1947 to September 5, 1947 at Clinton County Army Air Field, Ohio

Author: Funk, Jack

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L8C19

Document ID (CASI): 20050019272

Publication Date: April 03, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical Analysis of Stationary Potential Flows and Boundary Layers at High Speed

Author: Oswaititsch, K.; Wieghardt, K.
Report Number: NACA-TM-1189
Document ID (CASI): 20050028382
Publication Date: April 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Influence of the Diameter Ratio on the Characteristics Diagram of the Axial Compressor

Author: Eckert, B.; Pflueger, F.; Weinig, F.
Author Affil.: Technische Hochschule; Technische Hochschule; Technische Hochschule
Report Number: NACA-TM-1125
Document ID (CASI): 20050019461
Publication Date: April 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Flying Mock-Up of Consolidated Vultee XP-92 Airplane in the Ames 40- by 80-Foot Wind Tunnel: Pressure Distributions

Author: Graham, David
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA8D08
Document ID (CASI): 20050019275
Publication Date: April 09, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements of the Longitudinal Stability and Control and Stalling Characteristics of a North American P-51H Airplane (AAF No. 4-64164)

Author: Kraft, Christopher C., Jr.; Reeder, J. P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8B24
Document ID (CASI): 20050028754
Publication Date: March 23, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Compressor of XJ-41-V Turbojet Engine VI - Analysis of Compressor Flow Choking

Title: Number of Part: 6
Title: Name of Part: Analysis of Compressor Flow Choking
Author: Creagh, John W. R.; Ginsburg, Ambrose
Author Affil.: Air Materiel Command; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE8C12
Document ID (CASI): 20090011946
Publication Date: March 23, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms August 16, 1947 to August 20, 1947 at Clinton County Army Air Field, Ohio

Author: Funk, Jack
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L8B04
Document ID (CASI): 20050019240
Publication Date: March 05, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of Two Models of the Army B-36 Airplane
Author: Fisher, Lloyd J.; Cederborg, Gibson, A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8B25
Document ID (CASI): 20050028752
Publication Date: March 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of J-33-A-21 Turbojet-Engine Compressor I - Over-All Performance Characteristics at Equivalent Impeller Speeds from 6000 to 13,400 RPM
Author: Beede, William L.; Kovach, Karl; Creagh, John W.R.
Report Number: NACA-RM-SE8C15
Document ID (CASI): 20090011948
Publication Date: March 30, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/24-Scale Model of the Grumman XF9F-2 Airplane, TED No. NACA DE 317
Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7L09
Document ID (CASI): 20050028613
Publication Date: February 04, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of F-61C Airplanes within Thunderstorms August 7, 1947 to August 13, 1947 at Clinton County Army Air Field, Ohio
Author: Funk, Jack
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L8A30
Document ID (CASI): 20050040788
Publication Date: February 13, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms August 13, 1947 to August 15, 1947 at Clinton County Army Air Field, Ohio
Author: Funk, Jack
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L8A27
Document ID (CASI): 20050019369
Publication Date: February 02, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of a 1/20-Scale Model of the Northrop B-35 Airplane
Author: Fisher, Lloyd J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8A29
Document ID (CASI): 20050028614
Publication Date: February 22, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Flying Mock-Up of the Consolidated Vultee XP-92 Airplane in the Ames 40- by 80-Foot Wind Tunnel. Force and Moment Characteristics
Author: Wick, Bradford, H.; Graham, David
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA8B04
Document ID (CASI): 20090026608
Publication Date: February 04, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Measurements of Flying Qualities of a P-47D-30 Airplane (AAF No. 43-3441) to Determine Longitudinal Stability and Control and Stalling Characteristics
Author: Kraft, Christopher C., Jr.; Goranson, R. Fabien; Reeder, John P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L8A06
Document ID (CASI): 20090022749
Publication Date: February 18, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Maintaining Laminar Flow in the Boundary Layer using a Swept-Back Wing
Author: Brennecke
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1180
Document ID (CASI): 20050031084
Publication Date: February 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms June 11, 1947 to July 11, 1947 at Clinton County Army Air Field, Ohio
Author: Funk, Jack
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7K25
Document ID (CASI): 20050019282
Publication Date: January 21, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of Nene II Engine Altitude-chamber Performance Investigation
Title: Number of Part: 2
Title: Name of Part: Altitude Performance using 18.41-inch Diameter-jet Nozzle
Author: Armstrong, J. C.; Wilsted, H. D.; Vincent, K. R.
Author Affil.: National Advisory Committee for Aeronautics; National Advisory Committee for Aeronautics; National Advisory Committee for Aeronautics
Report Number: NACA-RM-E8F14
Document ID (CASI): 20090025338
Publication Date: [1948]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Investigation in the Langley 20-Foot Free-Spinning Tunnel of the Spin and Recovery Characteristics of a 0.057-Scale Model of the Chance Vought XFU-1 Airplane, Ted No. NACA DE 311

Author: Berman, Theodore

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL9H30a

Document ID (CASI): 20050030037

Publication Date: [1948]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Inlet Air Distortion on the Steady-State and Surge Characteristics of an Axial-Flow Turbojet Compressor

Author: Ciepluch, Carl C.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E57L12

Document ID (CASI): 20050040787

Publication Date: January 02, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Investigation to Determine the Effects of Center-of-Gravity Position on the Spin, Longitudinal-Trim, and Tumbling Characteristics of a 1/20-Scale Model of the Consolidated Vultee 7002 Airplane (Flying Mock-up of XF-92)

Author: Klinar, Walter J.; Jones, Ira P., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL9B24

Document ID (CASI): 20050030058

Publication Date: [1948]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Stability and Control Characteristics of a 1/10-Scale Model of the Chance Vought XF7U-1 Airplane in the Langley Free-Flight Tunnel, TED No. NACA DE306

Author: Draper, John W.; Hewes, Donald E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8A19

Document ID (CASI): 20050028617

Publication Date: [1948]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Compressor of XJ-41-V Turbojet Engine

Title: Number of Part: 4

Title: Name of Part: Performance Analysis Over Range of Compressor Speeds from 5000 to 10,000 RPM

Author: Creagh, John W. R.; Ginsburg, Ambrose

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE7L12

Document ID (CASI): 20090013068

Publication Date: [1948]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vibration Survey of Blades in 19XB Axial-Flow Compressor
Title: Number of Part: 3
Title: Name of Part: Preliminary Engine Investigation
Author: Meyer, Andre J., Jr.; Calvert, Howard F.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE8A28
Document ID (CASI): 20090026506
Publication Date: January 28, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Wind-Tunnel Investigation of the Longitudinal Stability and Control Characteristics of a 0.10-Scale Model of the Grumman XF9F-2 Airplane, TED No. NACA DE301
Author: Polhamus, Edward C.; King, Thomas J., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8K16
Document ID (CASI): 20050029397
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of the AN/SPS-1 Radar Antenna in the Langley Full-Scale Tunnel
Author: May, Ralph W., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7L02
Document ID (CASI): 20050028508
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Length-Beam Ratio on the Aerodynamic Characteristics of Flying-Boat Hulls without Wing Interference
Author: Lowry, John G.; Riebe, John M.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L8A16
Document ID (CASI): 20090026293
Publication Date: January 16, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/24-Scale Model of the Grumman XF9F-2 Airplane with Wing-Tip Tanks Installed
Author: Berman, Theodore; Wilson, Jack H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9F01
Document ID (CASI): 20050030061
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ground Tests of a Radial Air-Cooled Engine to Correct a Poor Circumferential Pressure-Recovery Distribution
Author: Gallagher, James J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7L10
Document ID (CASI): 20050028503
Publication Date: January 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of a 1/18-Scale Model of the Lockheed Constellation Airplane
Author: Fisher, Lloyd J.; Morris, Garland J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8K18
Document ID (CASI): 20050029398
Publication Date: 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Allison Model 400-C6 Turbojet-Engine Compressor
Title: Number of Part: I
Title: Name of Part: Over-All Performance Characteristics of Compressor at Equivalent Impeller Speeds of 6000, 7000, and 8500 RPM
Author: Kovach, Karl; Withee, Joseph R., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE8L15
Document ID (CASI): 20050019418
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements of the Lateral and Directional Stability and Control Characteristics of a P-51H Airplane (AAF No. 44-64164)
Author: Kraft, Christopher C., Jr.; Reeder, J. P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7L11
Document ID (CASI): 20050028482
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of a 1/24-Scale Model of the Lockheed XR60-1 Airplane, TED No. NACA 235
Author: Fisher, Lloyd J.; Cederborg, Gibson A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8E17
Document ID (CASI): 20050028618
Publication Date: January 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation of a 20-Inch-Diameter Steady-Flow Ram Jet
Author: Disher, John H
Accession Number: 93R15017
Report Number: NACA-RM-E7I05a
Document ID (CASI): 19930085727
Publication Date: January 14, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of J-33-A-21 and J-33-A-23 Compressors with and without Water Injection

Author: Beede, William L.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE8A19

Document ID (CASI): 20050019247

Publication Date: January 28, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of a 1/10-Scale Model of the North American XFJ-1 Airplane Ted No. NACA 314

Author: Fisher, Lloyd J.; McBride, Ellis E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8K15

Document ID (CASI): 20090026359

Publication Date: [1948]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms May 13, 1947 to May 29, 1947 at Clinton County Army Air Field, Ohio

Author: Tolefson, Harold B.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7J29

Document ID (CASI): 20050019385

Publication Date: January 02, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/29-Scale Model of the Republic XP-91 Airplane with a Vee Tail Installed

Author: Snyder, Thomas L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7L03

Document ID (CASI): 20050019414

Publication Date: January 16, 1948

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 0.057-Scale Model of the Chance Vought XF7U-1 Airplane

Author: Daughtridge, Lee T., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8A13

Document ID (CASI): 20050028616

Publication Date: [1948]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Compressor XJ-41-V Turbojet Engine I - Preliminary Investigation at Equivalent Compressor Speed of 8000 RPM

Author: Ginsburg, Ambrose; Creagh, John W.R.

Report Number: NACA-RM-E7A17a

Document ID (CASI): 20090012050

Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Compressor of XJ-41-V Turbojet Engine V-Performance Analysis of Compressor with Revised Vaned Collector over Range of Compressor Speeds from 3600 to 11,500 RPM

Author: Ginsburg, Ambrose; Creagh, John W.R.; Michel, Donald
Report Number: NACA-RM-SE8A22
Document ID (CASI): 20090012434
Publication Date: January 23, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Stability and Control Characteristics of a B-29 Airplane with a Booster Incorporated in the Elevator Control System to Provide Various Stick-Force and Control-Rate Characteristics

Author: Mathews, Charles W.; Talmage, Donald B.; Whitten, James B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L50D11; Rept-3130
Document ID (CASI): 20050019337
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Theoretical Investigation of the Dynamic Lateral Stability Characteristics of the MX-838 (XB-51) Airplane

Author: Paulson, Jon W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8K10
Document ID (CASI): 20050030051
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of Altitude-Wind-Tunnel Investigation of X24C-4B Turbojet Engine

Title: Number of Part: II
Title: Name of Part: Engine Performance
Author: Meyer, Carl L.; Bloomer, Harry E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE7L26
Document ID (CASI): 20050019258
Publication Date: January 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning, Longitudinal-Trim, and Tumbling Characteristics of a 1/20-Scale Model of the Consolidated Vultke MX-813 (Prototype of XP-92) Airplane as Determined in the Langley 20-Foot Free-Spinning Tunnel

Author: Stone, Ralph W., Jr.; White, Richard P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8G26
Document ID (CASI): 20050030064

Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Turbine Axial Nozzle-Wheel Clearance on Performance of Mark 25 Torpedo Power Plant
Author: Hoyt, Jack W.; Kottas, Harry
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE8B04
Document ID (CASI): 20050019234
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms June 2, 1947 to June 7, 1947 at Clinton County Army Air Field, Ohio
Author: Funk, Jack
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7J31
Document ID (CASI): 20050010182
Publication Date: January 02, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Stability Characteristics of a 1/40-Scale Model of a Proposed Configuration of the XF-91 Airplane Measured by the Wing-Flow Method
Author: Crane, Harold L.; Beckhardt, Arnold R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL8K17
Document ID (CASI): 20050031072
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Compressor of XJ-41-V Turbojet Engine II - Static-Pressure Ratios and Limitation of Maximum Flow at Equivalent Compressor Speed of 8000 rpm
Author: Dildine, Dean M.; Arthur, W. Lewis
Report Number: NACA-RM-E7E05
Document ID (CASI): 20090012051
Publication Date: [1948]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Analysis of effects of inlet pressure losses on performance of axial-flow type turbojet engine
Author: Sanders, Newell D; Palasics, John
Accession Number: 93R23041
Report Number: NACA-RM-E8J25b
Document ID (CASI): 19930093740
Authorized Users: NASA personnel only

Title (Incl. Subtitle): THE CHROMATIC POLYNOMIAL OF THE TRUNCATED ICOSAHEDRON
Author: Hall, D. W.; Siry, J. W.; Vanderslice, D. R.
Author Affil.: NASA Goddard Space Flight Center; NASA Goddard Space Flight Center; NASA Goddard Space Flight Center
Accession Number: 63X81690

Report Number: NASA-TM-X-50697
Document ID (CASI): 19630044279
Publication Date: Jan 1, 1948
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Low-Speed Characteristics of a 1/8-Scale Model of the Republic XP-91 Airplane with a Vee and a Conventional Tail
Author: Weiberg, James A.; Anderson, Warren E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA7L07
Document ID (CASI): 20050019255
Publication Date: December 15, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Fundamental Aerodynamic Investigations for Development of Arrow-Stabilized Projectiles
Author: Kurzweg, Hermann
Report Number: NACA-TM-1175
Document ID (CASI): 20050031123
Publication Date: December 1947
Authorized Users: NASA personnel only
Spec. Distrib. Authoriz.: Distribution of CASI archival copy not authorized

Title (Incl. Subtitle): Preliminary Results of an Altitude-Wind-Tunnel Investigation of a TG-100A Gas Turbine-Propeller Engine
Title: Number of Part: V
Title: Name of Part: Combustion-Chamber Characteristics
Author: Gensenheyner, Robert M.; Berdysz, Joseph J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE7L09
Document ID (CASI): 20050019241
Publication Date: December 31, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Measurements of the Flying Qualities of a Lockheed P-80A Airplane (Army No. 44-85099) - Stalling Characteristics
Author: Anderson, Seth B.; Cooper, George E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA7L04
Document ID (CASI): 20090026348
Publication Date: December 04, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Single-Stage Modified Turbine of Mark 25 Torpedo Power Plant
Author: Hoyt, Jack W.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE7L15
Document ID (CASI): 20050019464
Publication Date: December 04, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of the AN/SPS-1 Radar Antenna in the Langley Full-Scale Tunnel
Author: May, Ralph W., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7L02
Document ID (CASI): 20050019379
Publication Date: December 22, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of Altitude-Wind-Tunnel Investigation of X24C-4B Turbojet Engine. I - Pressure and Temperature Distributions
Author: Prince, William R.; Hawkins, W. Kent
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-SE7L22
Document ID (CASI): 20090026369
Publication Date: December 22, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Air-Flow Distribution and Total-Pressure Loss on Performance of One-Sixth Segment of Turbojet Combuster
Author: Hill, Francis U.; Mark, Herman
Author Affil.: National Advisory Committee for Aeronautics; National Advisory Committee for Aeronautics
Report Number: NACA-RM-SE7K16
Document ID (CASI): 20090022385
Publication Date: December 10, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of Altitude-Wind-Tunnel Investigation of X24C-4B Turbojet Engine
Title: Number of Part: Part 4
Title: Name of Part: Performance of Modified Compressor
Author: Thorman, H. Carl; Dupree, David T.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE7L22A-Pt-4
Document ID (CASI): 20050019244
Publication Date: December 22, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Data Obtained in the Flight Measurements to Determine the Stability and Control Characteristics of a C-54D Airplane (AAF No. 42-72713) and a Summary of the Test Program
Author: Talmage, Donald B.; Reeder, John P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7L17a
Document ID (CASI): 20050019271
Publication Date: December 29, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of the landing on water of a model of a high-speed airplane - langley tank model 229

Author: King, D. A.
Author Affil.: NASA Langley Research Center
Accession Number: 68N86196
Report Number: NASA-TM-X-61113; NACA-RM-L7I05
Document ID (CAS): 19680071385
Publication Date: Dec 9, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Tests of Rocket-Powered "Tin-Can" Models of AAF Project MX-800
Author: Purser, Paul E.; Stone, David G.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7K07a
Document ID (CAS): 20050019387
Publication Date: December 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculation of Wing Bending Moments and Tail Loads Resulting from the Jettison of Wing Tips During a Symmetrical Pull-Up
Author: Boshar, John
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7K18
Document ID (CAS): 20050028495
Publication Date: December 11, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/24-Scale Model of the McDonnell XP-88 Airplane with a VEE Tail
Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7J23
Document ID (CAS): 20050019318
Publication Date: November 28, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Stability and Control Characteristics of a 1/20-Scale Model of the Consolidated Vultee XB-53 Airplane in the Langley Free-Flight Tunnel
Author: Bennett, Charles V.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7J17
Document ID (CAS): 20050019246
Publication Date: November 17, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics of a Number of Modified NACA Four-Digit-Series Airfoil Sections
Author: Loftin, Laurence K., Jr.; Cohen, Kenneth G.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7I22
Document ID (CAS): 20050080677
Publication Date: 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Stability and Control Characteristics of a 1/10-Scale Model of the McDonnell XP-85 Airplane While Attached to the Trapeze
Author: Johnson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7J16
Document ID (CASI): 20050019306
Publication Date: November 17, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Data on Airspeeds and Mach Numbers Attained by Lockheed Constellation Airplanes in Transcontinental Operations
Author: Steiner, Roy
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7F25
Document ID (CASI): 20050019394
Publication Date: October 10, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/16-Scale Model of the Chance Vought XF5U-1 Airplane, TED No. NACA 2349
Author: White, Richard P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7I23
Document ID (CASI): 20050019312
Publication Date: October 17, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of Cascades of Airfoils for Retarded Flow
Author: Shimoyama, Yoshinori
Report Number: NACA-TM-1190
Document ID (CASI): 20050019495
Publication Date: October 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Turbulent Flow in Diffusers of Small Divergence Angle
Author: Gourzhienko, G. A.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1137
Document ID (CASI): 20050019433
Publication Date: October 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics of an 0.08-Scale Model of the Chance Vought XF7U-1 Airplane in the Langley High-Speed 7- by 10-Foot Tunnel
Title: Number of Part: Part V
Title: Name of Part: Wing-Alone Tests and Effect of Modifications to the Vertical Fins, Speed Brakes, and Fuselage, TED No. NACA DE308
Author: Kuhri, Richard E.; Myers, Boyd C., II
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7J09
Document ID (CASI): 20050019359

Publication Date: October 10, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supersonic Wave Drag of Sweptback Tapered Wings at Zero Lift
Author: Margolis, Kenneth
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7H12
Document ID (CASI): 20050080700
Publication Date: 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Stability of Plates and Shells Beyond the Proportional Limit
Author: Ilyushin, A. A.
Report Number: NACA-TM-1116
Document ID (CASI): 20050019421
Publication Date: October 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements of Atmospheric Turbulence on Seattle-Alaska Airways
Author: Funk, Jack
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7I25
Document ID (CASI): 20050019299
Publication Date: October 21, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some Tests and Calculations Pertaining to the Dive Path and to Wing and Tail Loads in the Accident to Eastern Airlines C54B Airplane, NC-88814, Near Bainbridge, Maryland, May 30, 1947
Author: Rhode, Richard V.; Stokke, Allen R.; Rogin, Leo
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7I12
Document ID (CASI): 20050019317
Publication Date: October 22, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Development of Outboard Nacelle for the XB-36 Airplane
Author: Nuber, Robert J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7G25
Document ID (CASI): 20050019239
Publication Date: October 31, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Operating Properties of the Leakage Current Anemometer
Author: Fucks, Wilhelm
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1178
Document ID (CASI): 20050031133
Publication Date: October 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Supplementary Free-Spinning-Tunnel Tests of a 1/16-Scale Model of the McDonnell XB-85 Airplane Equipped with a Conventional-Tail Arrangement
Author: Klinar, Walter J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-I7111
Document ID (CASI): 20050019298
Publication Date: October 13, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Coefficient of Friction, Oil Flow and Heat Balance of a Full-Journal Bearing
Author: Orloff, P. I.
Author Affil.: NASA
Accession Number: 96X71102
Report Number: AD-B204941; NACA-TM-1165; NASA-TM-111363; NAS 1.15:111363
Document ID (CASI): 19960022662
Publication Date: Oct. 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculations and Experimental Investigations on the Feed-Power Requirement of Airplanes with Boundary-Layer Control
Author: Krueger, W.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1167
Document ID (CASI): 20050019582
Publication Date: September 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Performance of the Thermal Ice-Prevention System Installed in a Douglas BTD-1 Airplane (TED No. NACA 2502)
Author: Jukoff, David; Look, Bonne C.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A7122
Document ID (CASI): 20090026349
Publication Date: September 25, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Investigation of Over-all Performance of Experimental Turbojet Engine for Guided Missile
Author: Eustis, Robert H.; Berkey, William E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E7122
Document ID (CASI): 20090025472
Publication Date: September 22, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Russian Laminar Flow Airfoils 3rd Part: Measurements on the Profile No. 2315 BIS with Ava-Nose Flap
Author: Riegels, F.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1127

Document ID (CASI): 20050019424
Publication Date: September 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Acceleration Measurements During Landings of a 1/5.5-Size Dynamic Model of the Columbia XJL-1 Amphibian in Smooth Water and in Waves: Langley Tank Model 208M, TED No. NACA 2336

Author: Clement, Eugene P.; Havens, Robert F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7H29
Document ID (CASI): 20050019362
Publication Date: September 25, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/24-Scale Model of the McDonnell XP-88 Airplane with a Conventional Tail

Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7H21
Document ID (CASI): 20050019357
Publication Date: September 04, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation on a Changed Mustang Profile with Nose Flap Force and Pressure-Distribution Measurements

Author: Krueger, W.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1177
Document ID (CASI): 20050031128
Publication Date: September 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests of the 1/25-Scale Powered Model of the Martin JRM-1 Airplane
Title: Number of Part: Part 4

Title: Name of Part: Tests with Ground Board and with Modified Wing and Hull, TED No. NACA 232
Author: Lockwood, Vernard E.; Smith, Bernard J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7H20-Pt-4
Document ID (CASI): 20050019360
Publication Date: September 04, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Determination of the Stress Concentration Factor of a Stepped Shaft Stressed in Torsion by Means of Precision Strain Gages

Author: Weigand, A.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1179
Document ID (CASI): 20050031083
Publication Date: September 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Stability and Control Characteristics of a Semispan Model of the XF7U-1 Tailless Airplane at Transonic Speeds by the NACA Wing-Flow Method, TED No. NACA DE307

Author: Sawyer, Richard H.; Trant, James P., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7I08

Document ID (CASI): 20050019378

Publication Date: September 29, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Subject Headings for Index of NACA Publications

Document ID (CASI): 20090004624

Publication Date: September 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Concerning the Velocity of Evaporation of Small Droplets in a Gas Atmosphere

Author: Fuchs, N.

Report Number: NACA-TM-1160

Document ID (CASI): 20050019647

Publication Date: August 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Equations for Adiabatic but Rotational Steady Gas Flows without Friction

Author: Schaefer, Manfred

Author Affil.: Technische Hochschule

Report Number: NACA-TM-1187; Rept-44/1

Document ID (CASI): 20050031086

Publication Date: August 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests of a 1/8-Scale Powered Model of the XTB3F-1 Airplane, TED No. NACA 2382

Author: McKee, John W.; Vogler, Raymond D.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7G17

Document ID (CASI): 20050019236

Publication Date: August 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lift and Drag of Wings with Small Span

Author: Weinig, F.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1151

Document ID (CASI): 20050019625

Publication Date: August 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of Variations in Forebody and Afterbody Dead Rise on the Resistance and Spray Characteristics of the 22ADR Class VPB Airplane: Langley Tank Model 207, TED No. NACA 2361

Author: Clement, Eugene P.; Daniels, Charles J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7H18
Document ID (CASI): 20050019368
Publication Date: August 28, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics of an 0.08-Scale Model of the Chance Vought XF7U-1 Airplane in the Langley High-Speed 7- by 10-Foot Tunnel
Title: Number of Part: Part 4
Title: Name of Part: Aileron Characteristics, TED No. NACA DE308
Author: Goodson, Kenneth W.; Myers, Boyd C., II
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7H22-Pt-4
Document ID (CASI): 20050019411
Publication Date: August 22, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Loads on a Conventional Front and Rear Sliding Canopy
Author: Dexter, Howard E.; Rickey, Edward A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7D04
Document ID (CASI): 20050019399
Publication Date: July 09, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Theory of the Unsteady Motion of an Airfoil
Author: Sedov, L. I.
Report Number: NACA-TM-1156
Document ID (CASI): 20050028477
Publication Date: July 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Time History of Control Operation of a C-54 Airplane in Blind Landing Approaches
Author: Talmage, Donald B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7F20
Document ID (CASI): 20050019332
Publication Date: July 18, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Report on Rocket Power Plants Based on T-Substance
Author: Walter, Hellmuth
Author Affil.: Deutsche Akademie der Luftfahrtforschung
Report Number: NACA-TM-1170
Document ID (CASI): 20050019545
Publication Date: July 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the I-40 Jet-propulsion Engine in the Cleveland Altitude Wind Tunnel

Title: Number of Part: 5

Title: Name of Part: Operational Characteristics

Author: Golladay, Richard L.; Gendler, Stanley L.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E7F20

Document ID (CASI): 20090025451

Publication Date: July 11, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics of an 0.08-Scale Model of the Chance Vought XF7U-1 Airplane in the Langley High-Speed 7- by 10-Foot Tunnel

Title: Number of Part: Part 2

Title: Name of Part: Basic Lateral Stability Characteristics, TED No. NACA DE308

Author: Kemp, William B., Jr.; Goodson, Kenneth W.; Kuhn, Richard E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7G10-Pt-2

Document ID (CASI): 20050019235

Publication Date: July 18, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Evaluation of the Spin and Recovery Characteristics of the Douglas XF3D-1 Airplane

Author: Scher, Stanley H.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7F18

Document ID (CASI): 20050019396

Publication Date: July 03, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics of an 0.08-Scale Model of the Chance Vought XF7U-1 Airplane in the Langley High-Speed 7- by 10-Foot Tunnel

Title: Number of Part: Part 3

Title: Name of Part: Longitudinal-Control Characteristics, TED No. NACA DE308

Author: Kuhn, Richard E.; King, Thomas J., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7H01-PT-3

Document ID (CASI): 20050019289

Publication Date: July 29, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/35-Scale Model of the Douglas XB-43 Airplane

Author: Snyder, Thomas L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7G01

Document ID (CASI): 20050019397

Publication Date: July 18, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Laboratory Report on the Investigation of the Flow around Two Turbine-Blade Profiles using the Interferometer Method
Author: vonVietinghoff-Scheel, K.
Author Affil.: Luftfahrtforschungsanstalt Hermann Goering
Report Number: NACA-TM-1171
Document ID (CASI): 20050019546
Publication Date: July 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Tests of a Curtiss No. 838-1C2-18 Three-Blade Propeller Having Trailing-Edge Extensions
Author: Gardner, John J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7D10
Document ID (CASI): 20050019331
Publication Date: July 16, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Test Report on Measurements on a Series of Tapered Wings of Small Aspect Ratio (Trapezoidal Wing with Fuselage)
Author: Lange; Wacke
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1129
Document ID (CASI): 20050019621
Publication Date: July 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Aerodynamic Characteristics of an 0.08-Scale Model of the Chance Vought XF7U-1 Airplane in the Langley High-Speed 7- by 10-Foot Tunnel
Title: Number of Part: Part 1
Title: Name of Part: Basic Longitudinal Stability Characteristics, TED No. NASA DE308
Author: Kemp, William B., Jr.; Kuhn, Richard E.; Goodson, Kenneth W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7G08-Pt-1
Document ID (CASI): 20050019437
Publication Date: July 18, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Pressurized-Distribution Measurements on Unyawed Swept-Back Wings
Author: Jacobs, W.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1164
Document ID (CASI): 20050028376
Publication Date: July 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tuft Studies of the Flow over a Wing at Four Angles of Sweep
Author: Hieser, Gerald
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7C05a
Document ID (CASI): 20050019390
Publication Date: July 10, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculation of the Pressure Distribution on Bodies of Revolution in the Subsonic Flow of a Gas

Title: Number of Part: Part 1

Title: Name of Part: Axially Symmetrical Flow

Author: Bilharz, Herbert; Hoelder, Ernst

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1153-Pt-1

Document ID (CASI): 20050028389

Publication Date: July 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Analytical Treatment of Normal Condensation Shock

Author: Heybey

Report Number: NACA-TM-1174

Document ID (CASI): 20050031119

Publication Date: July 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Estimation of the Spin and Recovery Characteristics of the North American XSN2J-1 Airplane

Author: Snyder, Thomas L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7F23b

Document ID (CASI): 20050019393

Publication Date: June 23, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight-Test Evaluation of the Longitudinal Stability and Control Characteristics of 0.5-Scale Models of the Fairchild Lark Pilotless-Aircraft Configuration: Standard Configuration with Wing Flaps Deflected 60 Degrees and Model having Tail in Line with Wings, TED No. NACA 2387

Author: Stone, David G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7F17

Document ID (CASI): 20050019334

Publication Date: June 25, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effects of Reynolds Number on the Application of NACA 16 series Airfoil characteristics to Propeller design

Author: Cleary, Harold E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM- L7H12

Document ID (CASI): 20050092311

Publication Date: June 11, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Comparison of Three Theoretical Methods of Calculating Span Load Distribution on Swept Wings

Author: VanDorn, Nicholas H.; DeYoung, John

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-A7C31

Document ID (CASI): 20050019280

Publication Date: June 09, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of a 1/5-Scale Model of the Ryan XF2R Airplane

Author: Wong, Park Y.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-Rm-SA7E26

Document ID (CASI): 20090026606

Publication Date: June 27, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Hydrodynamic Characteristics of a 1/10-Size Powered Dynamic Model of the XP5Y-1 Flying Boat in Smooth Water: Langley Tank Model 228C-1, TED No. NACA DE309

Author: Olson, Roland E.; Haar, Marvin I.; Woodward, David R.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7E28

Document ID (CASI): 20050029425

Publication Date: June 05, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Compression Shocks of Detached Flow

Author: Eggink

Report Number: NACA-TM-1150

Document ID (CASI): 20050019417

Publication Date: June 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): General Characteristics of the Flow through Nozzles at Near Critical Speeds

Author: Sauer, R.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1147

Document ID (CASI): 20050019415

Publication Date: June 30, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Test Report on Three-and Six-Component Measurements on a Series of Tapered Wings of Small Aspect Ratio (Partial Report: Elliptic Wing)

Author: Lange; Wacke

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1146

Document ID (CASI): 20050019412

Publication Date: June 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Six-component measurements on a straight and a 35 degree swept-back trapezoidal wing with and without split flaps
Author: Theil, G.; Weissinger, F.
Report Number: NACA-TM-1107
Document ID (CASI): 20050240951
Publication Date: June 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Some Aerodynamics Relations for an Airfoil in Oblique Flow
Author: Ringleb, F.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1158
Document ID (CASI): 20050019675
Publication Date: June 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calibration and Measurement in Turbulence Research by the Hot-Wire Method
Author: Kovasznay, Kaszlo
Report Number: NACA-TM-1130
Document ID (CASI): 20050019435
Publication Date: June 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests of a 0.182-Scale Model of an F4U-1 Airplane with External Stores
Author: Silvers, H. Norman; Spreemann, Kenneth P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7E20
Document ID (CASI): 20090022392
Publication Date: June 05, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Slot-Entry Skirt Extensions on Aerodynamic Characteristics of a Wing Section of the XB-36 Airplane Equipped with a Double Slotted Flap
Author: Cahill, Jones F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7A29
Document ID (CASI): 20050019448
Publication Date: June 30, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning Tunnel Tests of a 1/24-Scale Model of the Grumman XTB3F-1 Airplane, TED No. NACA DE304
Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7E19
Document ID (CASI): 20050019395
Publication Date: May 09, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Compilation of Test Data on 111 Free-Spinning Airplane Models Tested in the Langley 15-Foot and 20-Foot Free-Spinning Tunnels
Author: Malvestuto, Frank S.; Gale, Lawrence J.; Wood, John H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7E15
Document ID (CASI): 20090025259
Publication Date: May 15, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Cooling Characteristics of the V-1650-7 Engine
Title: Number of Part: 1
Title: Name of Part: Coolant-Flow Distribution, Cylinder Temperatures, and Heat Rejections at Typical Operating Conditions
Author: Povolny, John H.; Bogdan, Louis J.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7E02
Document ID (CASI): 20090026298
Publication Date: May 02, 1947
Authorized Users: NASA personnel only
Spec. Distrib. Authoriz.: Distribution as joint owner in the copyright

Title (Incl. Subtitle): The Effectiveness at High Speeds of a 20-Percent-Chord Plain Trailing-Edge Flap on the NACA 65-210 Airfoil
Author: Stivers, Louis S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A7A17
Document ID (CASI): 20050080743
Publication Date: May 06, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Landing Characteristics in Waves of Three Dynamic Models of Flying Boats
Author: Benson, James M.; Havens, Robert F.; Woodward, David R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6L13
Document ID (CASI): 20050080690
Publication Date: 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Acceleration Measurements During Landing in Rough Water of a 1/7-Scale Dynamic Model of Grumman XJR2F-1 Amphibian - Langley Tank Model 212, TED No. NACA 2378
Author: Land, Norman S.; Zeck, Howard
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7E14
Document ID (CASI): 20050019391
Publication Date: May 06, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Fundamental of the Control of Gas-Turbine Power Plants for Aircraft
Title: Number of Part: Part 3
Title: Name of Part: Control of Jet Engines
Author: Kuehl, H.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1166-Pt-3
Document ID (CASI): 20050028380
Publication Date: May 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Spin and Recovery Characteristics of the Curtiss-Wright XP-87 Airplane
Author: Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7F02
Document ID (CASI): 20050019623
Publication Date: May 26, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effectiveness at High Speeds of a 20-Percent-chord Plain Trailing-edge Flap on the NACA 65-210 Airfoil Section
Author: Stivers, Louis S., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA7A17
Document ID (CASI): 20090025473
Publication Date: May 06, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Air-Stream Surveys in the Vicinity of the Tail of a 1/8.33-Scale Powered Model of the Republic XF-12 Airplane
Author: Foster, Gerald V.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7D09
Document ID (CASI): 20050019335
Publication Date: April 08, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Correlation of the Trim Limits of Stability Obtained for a PB2Y-3 Flying Boat and a 1/8-Size Powered Dynamic Model
Author: Garrison, Charlie C.; Hacskaylo, Andrew
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C04
Document ID (CASI): 20050031172
Publication Date: April 22, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Vibration Survey of Blades in 19XB Axial-Flow Compressor
Title: Number of Part: 2
Title: Name of Part: Dynamic Investigation
Author: Meyer, Andre J., Jr.; Calvert, Howard F.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7D09

Document ID (CASI): 20090026299
Publication Date: April 09, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Practical Possibilities of High-Altitude Flight with Exhaust-Gas Turbines in Connection with Spark Ignition Engines Comparative Thermodynamic and Flight Mechanical Investigations

Author: Weise, A.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1124
Document ID (CASI): 20050019456
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Fundamentals of the Control of Gas-Turbine Power Plants for Aircraft
Title: Number of Part: Part 1
Title: Name of Part: Standardization of the Computations Relating to the Control of Gas-Turbine Power Plants for Aircraft by the Employment of the Laws of Similarity

Author: Luehl, H.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1142-Pt-1
Document ID (CASI): 20050019624
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Low-Speed Investigation of a Fuselage-Side Air Inlet for use at Transonic Flight Speeds

Author: Nichols, Mark R.; Goral, Edwin B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7A06
Document ID (CASI): 20050071701
Publication Date: April 09, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Fundamentals of the Control of Gas-Turbine Power Plants for Aircraft
Title: Number of Part: Part 2
Title: Name of Part: Principles of Control Common to Jet, Turbine-Propeller Jet, and Ducted-Fan Jet Power Plants

Author: Kuehl, H.
Author Affil.: Deutsche Versuchsanstalt fuer Luftfahrt e.V.
Report Number: NACA-TM-1143-Pt-2
Document ID (CASI): 20050019410
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effect of Turbulence on the Flame Velocity in Gas Mixtures

Author: Damkoehler, Gerhard
Report Number: NACA-TM-1112
Document ID (CASI): 20050009802
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Combination of Internal-Combustion Engine and Gas Turbine
Author: Zinner, K.
Report Number: NACA-TM-1141
Document ID (CASI): 20050019425
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Rockets using Liquid Oxygen
Author: Busemann, Adolf
Author Affil.: Academy of Sciences
Report Number: NACA-TM-1144
Document ID (CASI): 20050019406
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Recent Results on High-Pressure Axial Blowers
Author: Eckert, B.
Report Number: NACA-TM-1128
Document ID (CASI): 20050019427
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of the 19B-2, 19B-8 and 19XB-1 Jet- Propulsion Engines
Title: Number of Part: 4
Title: Name of Part: Analysis of Compressor Performance
Author: Dietz, Robert O.; Kuenzig, John K.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7D04
Document ID (CASI): 20090026302
Publication Date: April 04, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Distribution of Loads on Rivets Connecting a Plate to a Beam under Transverse Loads
Author: Vogt, F.
Report Number: NACA-TM-1134
Document ID (CASI): 20050019429
Publication Date: April 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Trim Characteristics of a 1/20-Scale Model of the Fleetwings XBTK-1 Airplane over a Wide Range of Angles of Attack
Author: Stone, Ralph W., Jr.; Berman, Theodore
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C06a
Document ID (CASI): 20050019636
Publication Date: March 05, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests with a 1/12-Scale Model of the Army A-26 Airplane in Langley Tank No. 2 and on an Outdoor Catapult
Author: Jarvis, George A.; Hoffman, Edward L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7B28
Document ID (CASI): 20050019408
Publication Date: March 06, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics of Three Deep-Stepped Planing-Tail Flying-Boat Hulls
Author: Riebe, John M.; Naeseth, Rodger L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C18
Document ID (CASI): 20090022391
Publication Date: March 13, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of a 1/18-Scale Model of the Navy XP4M-1 Airplane in Langley Tank No. 2 and on an Outdoor Catapult, TED No. NACA 2362
Author: Fisher, Lloyd J.; Hoffman, Edward L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C03
Document ID (CASI): 20050019594
Publication Date: March 10, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of R-4360-18 Power-Plant Installation for XR60 Airplane
Title: Number of Part: 3
Title: Name of Part: Performance of Induction and Exhaust Systems
Author: Dupree, David T.; Hawkins, W. Kent
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7C26a
Document ID (CASI): 20090026300
Publication Date: March 26, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms August 14, 1946 to August 15, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C31
Document ID (CASI): 20050029420
Publication Date: March 19, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning and Tumbling Tests of a 1/16-Scale Model of the McDonnell XP-85 Airplane

Author: Klinar, Walter J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C10
Document ID (CASI): 20050028500
Publication Date: March 06, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms July 24, 1946 to August 6, 1946 at Orlando, Florida
Author: Tolefson, Harold B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C28
Document ID (CASI): 20090035616
Publication Date: March 28, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms September 17, 1946 to September 18, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C21
Document ID (CASI): 20050019338
Publication Date: March 14, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Measurements on a Swept-Back Wing (Sweepback Angle $\phi = 35$ Deg)
Author: Goethert, B.
Report Number: NACA-TM-1102
Document ID (CASI): 20050019388
Publication Date: March 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms July 22, 1946 to July 23, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C19
Document ID (CASI): 20050019622
Publication Date: March 10, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Evaluation of the Low-Speed Stability and Control Characteristics of the McDonnell XP-85 Airplane from Tests of an Unballasted 1/5-Scale Model in the Langley Free-Flight Tunnel
Author: Paulson, John W.; Johnson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C27
Document ID (CASI): 20050029418
Publication Date: March 19, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Pressure Distribution Measurements at High Speed and Oblique Incidence of Flow
Author: Lippisch, A.; Beuschausen, W.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen; Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1115
Document ID (CASI): 20050010129
Publication Date: March 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Knock-Limited Performance of Triptane and 28-R Fuel Blends as Affected by Changes in Compression Ratio and in Engine Operating Variables
Author: Brun, Rinaldo J.; Feder, Melvin S.; Fisher, William F.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7A21a
Document ID (CASI): 20090023709
Publication Date: March 11, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests with a 1/16-Size Model of the Navy XP2V-1 Airplane at the Langley Tank No. 2 Monorail
Author: Fisher, Lloyd J.; Tarshis, Robert P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7A10
Document ID (CASI): 20050019303
Publication Date: March 14, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Force and Pressure-Distribution Measurements on a Rectangular Wing with Double-Hinged Nose
Author: Lemme, H. A.
Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen
Report Number: NACA-TM-1117
Document ID (CASI): 20050019455
Publication Date: March 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms September 11, 1946 to September 16, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C20
Document ID (CASI): 20050029419
Publication Date: March 12, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Force Tests of a 1/5-Scale Model of the McDonnell XP-85 Airplane with Conventional Tail Assembly in the Langley Free-Flight Tunnel
Author: Paulson, John W.; Johnson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7C26
Document ID (CASI): 20050019336
Publication Date: March 19, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Measurements in Flight of the Flying Qualities of a Chance Vought F4U-4 Airplane:
TED No. NACA 2388

Author: Liddell, Charles J., Jr.; Reynolds, Robert M.; Christofferson, Frank E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory
Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics.
Ames Aeronautical Lab.

Report Number: NACA-RM-A7C05
Document ID (CASI): 20050081862
Publication Date: March 20, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within
Thunderstorms August 17, 1946 to August 19, 1946 at Orlando, Florida

Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7D01
Document ID (CASI): 20050019405
Publication Date: March 24, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Simulated Altitude Performance of Combustors for the 9.5 Jet Engine

Title: Number of Part: 2

Title: Name of Part: 9.5B Combustor

Author: Bogart, Donald

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE7B21
Document ID (CASI): 20090025896
Publication Date: February 21, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Scale effect and optimum relations for sea surface planning

Author: Sedov, L.

Report Number: NACA-TM-1097

Document ID (CASI): 20050240165

Publication Date: February 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Cyclic Engine Test of Cast Vitallium Turbine Buckets - I

Author: Farmer, Elmo; Darmara, F.N.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National
Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-SE7B07
Document ID (CASI): 20090026351
Publication Date: February 07, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Minimum Specific Fuel Consumption of a Liquid-Cooled Multicylinder Aircraft
Engine as Affected by Compression Ratio and Engine Operating Conditions

Author: Brun, Rinaldo J.; Feder, Melvin S.; Harries, Myron L.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E6L31
Document ID (CASI): 20090023708
Publication Date: February 26, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Lateral Stability Characteristics of a 1/8.33-Scale Powered Model of the Republic XF-12 Airplane

Author: Pepper, Edward; Foster, Gerald V.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7B21
Document ID (CASI): 20050019467
Publication Date: February 27, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On Combustion in a Turbulent Flow

Author: Shelkin, K. I.
Report Number: NACA-TM-1110
Document ID (CASI): 20050019401
Publication Date: February 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of the 19XB 10-Stage Axial-Flow Compressor

Author: Downing, Richard M.; Finger, Harold B.
Author Affil.: National Advisory Committee for Aeronautics; National Advisory Committee for Aeronautics
Report Number: NACA-RM-E6L04
Document ID (CASI): 20040045346
Publication Date: February 04, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of High-Performance Fuels in Multicylinder and in Single-Cylinder Engines at High and Cruising Engine Speeds

Author: Bell, Arthur H.; Nelson, R. Lee; Richard, Paul H.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7A30
Document ID (CASI): 20090023710
Publication Date: February 21, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effect of High Solidity on Propeller Characteristics at High Forward Speeds from Wind-Tunnel Tests of the NACA 4-(3)(06.3)-06 and NACA 4-(3)(06.4)-09 Two-Blade Propellers

Author: Delano, James B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6L19
Document ID (CASI): 20050019462
Publication Date: February 27, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Two-Dimensional Wind-Tunnel Investigation of Modified NACA 65(sub 112)-111 Airfoil with 35-Percent-Chord Slotted Flap to Determine Pitching-Moment Characteristics and Effects of Roughness

Author: Racisz, Stanley F.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7B18

Document ID (CASI): 20050029414

Publication Date: February 10, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Development of Inboard Nacelle for the XB-36 Airplane

Author: Nuber, Robert J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6J11

Document ID (CASI): 20050019376

Publication Date: February 11, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Knock-limited power outputs from a CFR engine using internal coolants III : four alkyl amines, three alkanolamines six amides, and eight heterocyclic compounds

Author: Imming, Harry S; Bellman, Donald R

Accession Number: 93R15042

Report Number: NACA-RM-E6L05a

Document ID (CASI): 19930085752

Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Wind-Tunnel Tests of a Model of the Lockheed YP-80A Airplane Including Correlation with Flight Tests and Tests of Dive-Recovery Flaps

Author: Cleary, Joseph W.; Gray, Lyle J.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-A7A29

Document ID (CASI): 20050019287

Publication Date: February 14, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tank Tests of a 1/7-Size Dynamic Model of the Grumman XJR2F-1 Amphibian to Determine the Effect of Slotted- and Split-Type Flaps on Take-Off Stability - NACA Model 212, TED No. NACA 2378

Author: Land, Norman S.; Zeck, Howard

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7A07

Document ID (CASI): 20050019367

Publication Date: February 06, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Characteristics at High Speeds of Full-Scale Propellers having Different Shank Designs

Author: Maynard, Julian D.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6L27a
Document ID (CASI): 20050019371
Publication Date: February 13, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Oscillating Circular Airfoil on the Basis of Potential Theory
Author: Schade, T.; Krienes, K.
Report Number: NACA-TM-1098
Document ID (CASI): 20050019384
Publication Date: February 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Theory of Unstaggered Airfoil Cascades in Compressible Flow
Author: Spurr, Robert A.; Allen, H. Julian
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A7E29
Document ID (CASI): 20090023714
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Compressible Flow Tables for Air
Author: Burcher, Marie A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7K26
Document ID (CASI): 20050019404
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Hydrodynamic Qualities of a 1/10-Size Powered Dynamic Model of the XP5Y-1 Flying Boat in Smooth Water: Langley Tank Model 246, TED No. NACA DE 320
Author: Woodwr, David R.; Weinstein, Irving; Whitaker, Walter E., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9K14
Document ID (CASI): 20050031074
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Results of Altitude-Wind-Tunnel Investigation of X24C-4B Turbojet Engine
Title: Number of Part: V
Title: Name of Part: Performance of Modified Engine
Author: Prince, William R.; Bloomer, Harry E.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE7L22B
Document ID (CASI): 20050019293
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Cooling Characteristics of the V-1650-7 Engine. II - Effect of Coolant Conditions on Cylinder Temperatures and Heat Rejection at Several Engine Powers
Author: Povolny, John H.; Bogdan, Louis J.; Chelko, Louis J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-SE7102
Document ID (CASI): 20090022371
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Stability and Control Characteristics of a 1/20-Scale Model of the Consolidated Vultee XB-53 Airplane with a Full-Span Leading-Edge Slat in the Langley Free-Flight Tunnel
Author: Bennett, Charles V.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7L17
Document ID (CASI): 20050028507
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation of the Effects of Ice on an I-16 Jet-Propulsion Engine
Author: Pragliola, Philip C.; Werner, Milton
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E7A20a
Document ID (CASI): 20090025262
Publication Date: January 20, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind Tunnel Development of Means to Alleviate Buffeting of the North American XP-82 Airplane at High Speeds
Author: Anderson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A6L10
Document ID (CASI): 20040010410
Publication Date: January 09, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Two-Dimensional Wind-Tunnel Investigation of Modified NACA 65(sub 112)-111 Airfoil with 35-Percent-Chord Slotted Flap at Reynolds Numbers up to 25 Million
Author: Racisz, Stanley F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7A24
Document ID (CASI): 20050029415
Publication Date: January 20, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Estimated Flying Qualities of the Martin Model 202 Airplane
Author: Weil, Joseph; Spear, Margaret
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7A31

Document ID (CASI): 20050019466
Publication Date: January 24, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Tests in the Supersonic Sphere
Author: Baker, John E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6L20
Document ID (CASI): 20050041775
Publication Date: January 20, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Simulated Altitude Investigation of Stewart-Warner Model 906-B Combustion Heater
Author: Ebersbach, Frederick R.; Cervenka, Adolph J.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E6L02a
Document ID (CASI): 20090013069
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wing-Operation Tests of the Chance-Vought F4U-1D Airplane in the Langley Full-Scale Tunnel, TED No. NACA 2371
Author: Prince, William R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6H26
Document ID (CASI): 20050019475
Publication Date: January 27, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms: September 5, 1946 to September 10, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7C07
Document ID (CASI): 20050029412
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigations of Tumbling Characteristics of a 1/20-Scale Model of the Northrop N-9M Airplane
Author: MacDougall, George F., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6L10
Document ID (CASI): 20050031170
Publication Date: January 27, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude Cooling Investigation of the R-2800-21 Engine in the P-47G Airplane. IV - Engine Cooling-Air Pressure Distribution
Author: Kaufman, Samuel J.; Staudt, Robert C.; Valerino, Michael F.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E7A07

Document ID (CASI): 20090025293

Publication Date: January 07, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of the 19XB 10-Stage Axial-Flow Compressor with Altered Blade Angles

Author: Downing, Richard M.; Finger, Harold B.; Roepcke, Fay A.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E7A21

Document ID (CASI): 20090026294

Publication Date: January 21, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests of a 1/4-Scale Model of the Naval Aircraft Factory Float-Wing Convoy Interceptor, TED No. NACA 2314

Author: Wells, Evalyn G.; McKinney, Elizabeth G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6J15

Document ID (CASI): 20050019309

Publication Date: January 16, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical Analysis and Bench Tests of a Control-Surface Booster Employing a Variable Displacement Hydraulic Pump

Author: Mathews, Charles W.; Kleckner, Harold F.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6H30

Document ID (CASI): 20050019358

Publication Date: January 28, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Simulated Altitude Performance of Combustors for the 24C Jet Engine

Title: Number of Part: 2

Title: Name of Part: 24C-4 Combustor

Author: Bernardo, Everett; Schroeter, Thomas T.; Miller, Robert C.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-SE7J06

Document ID (CASI): 20090022320

Publication Date: [1947]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Pressured-Distribution Measurement on a Straight and on a 35 Degree Swept-Back Tapered Wing

Author: Thiel, A.; Weissinger, J.
Author Affil.: Deutsche Versuchsanstalt fuer Luftfahrt e.V.; Deutsche Versuchsanstalt fuer Luftfahrt e.V.
Report Number: NACA-TM-1126
Document ID (CASI): 20050019620
Publication Date: January 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/27-Scale Model of the Douglas XF3D-1 Airplane, TED No. NACA DE 312
Author: Scher, Stanley H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7K21
Document ID (CASI): 20050028509
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of Compressor of XJ-41-V Turbojet Engine
Title: Number of Part: 3
Title: Name of Part: Compressor Static-Pressure Rise at Equivalent Compressor Speeds of 5000, 7000, 8000, and 9000 rpm
Author: Creagh, John W. R.; Ginsburg, Ambrose
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.
Report Number: NACA-RM-E7G03a
Document ID (CASI): 20090012683
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Characteristics of a Semispan Model of the Grumman Airplane Design 83 having a Sweptback Wing and of the Model with a Straight Wing as Determined from Wing-Flow Tests at Transonic Speeds, TED No. NACA DE337
Author: Silsby, Norman S.; Kennedy, Robert M.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL9A19
Document ID (CASI): 20050029399
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of Compressibility on the Flow Past Thick Airfoil Sections
Author: Daley, Bernard N.; Humphreys, Milton D.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J17a
Document ID (CASI): 20050071700
Publication Date: January 30, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Anaylsis of Control Requirements and Control Parameters for Direct-Coupled Turbojet Engines
Author: Novik, David; Otto, Edward W.
Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E7E20
Document ID (CASI): 20090012601
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance Investigation of TG-180 Combustor: I - Instrumentation, Altitude Operational Limits and Combustion Efficiency
Author: Zettle, Eugene V.; Cook, William P.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E6L05
Document ID (CASI): 20090022150
Publication Date: January 13, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The High-Speed Longitudinal Stability and Control of the Bell P-39N-1 Airplane as Calculated from Propeller-Off Tests of a 0.35-Scale Model
Author: Robinson, Robert C.; Perone, Angelo
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A6L27
Document ID (CASI): 20050019431
Publication Date: January 29, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Two-Dimensional Wind-Tunnel Investigation of Modified NACA 65(112)-111 Airfoil with 35-Percent-Chord Slotted Flap to Determine Optimum Flap Configuration at Reynolds Number of 2.4 Million
Author: Racisz, Stanley F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7A02
Document ID (CASI): 20050019580
Publication Date: [1947]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Analysis of the Full-Floating Journal Bearing
Author: Shaw, M.C.; Nussdorfer, T.J.
Report Number: NACA-RM-E7A28a
Document ID (CASI): 20090012110
Publication Date: January 28, 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of Induction-System Icing on Aircraft-Engine Operating Characteristics
Author: Stevens, Howard C., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E6L24
Document ID (CASI): 20050080796
Publication Date: 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Problems of Chaplygin for Mixed Sub-and Supersonic Flows
Author: Frankl, F.
Author Affil.: Academy of Sciences (Russia)

Report Number: NACA-TM-1155
Document ID (CASI): 20050019646
Publication Date: January 1947
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of Exhaust Pressure on the Cooling Characteristics of a Liquid-Cooled Engine

Author: Doyle, Ronald B.; Desmon, Leland G.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E7A20

Document ID (CASI): 20090025263

Publication Date: January 20, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-Wind-Tunnel Investigation of the 19B-2, 19B-8, and 19XB-1 Jet-Propulsion Engines. II - Analysis of Turbine Performance of the 19B-8 Engine

Author: Krebs, Richard P.; Suozzi, Frank L.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E7A08

Document ID (CASI): 20090025286

Publication Date: January 08, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Buffeting of External Fuel Tanks at High Speeds on a Gruman F7F-3 Airplane

Author: Turner, Howard L.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA7A07

Document ID (CASI): 20090026362

Publication Date: January 29, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Static Tests of a Shrouded and an Unshrouded Propeller for Navy-Westinghouse Gas-Turbine Drive. TED No. NACA 042

Author: Platt, Robert J., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7B24

Document ID (CASI): 20090032233

Publication Date: [1947]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Wind-Tunnel Tests of a 1/16-Scale Model of the D-558 Research Airplane Air-Stream Fluctuations at the Tail of the D-558-1 Airplane

Author: Pendley, Robert E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L7A15

Document ID (CASI): 20050019291

Publication Date: January 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight-Test Evaluation of the Longitudinal Stability and Control Characteristics of 0.5-Scale Models of the Fairchild Lark Pilotless-Aircraft Configuration. Static Longitudinal Stability of Models with Wing Flap Deflections of 0 Deg and 15 Deg, TED No. NACA 2387

Author: Stone, David G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6L17a

Document ID (CASI): 20050019316

Publication Date: January 10, 1947

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Laboratory Investigation of Two Autopilots for a 4/10-Scale Drop Model of the Grumman F8F-1 Airplane, TED No. NACA 2466

Author: Teitelbaum, Jerome M.; Seaberg, Ernest C.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-SL8I09

Document ID (CASI): 20050029396

Publication Date: [1947]

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Stability of the Jettisonable Nose Section of the X-3 Airplane

Author: Scher, Stanley H.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L8K18a

Document ID (CASI): 20050019273

Publication Date: December 08, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61c Airplanes within Thunderstorms August 7, 1946 to August 13, 1946 at Orlando, Florida

Author: Tolefson, Harold B.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6K16

Document ID (CASI): 20050019670

Publication Date: December 09, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Operating Characteristics of an Engine Equipped with Modifications to Eliminate Fuel-Evaporation Icing

Author: Mulholland, Donald R.; Zlotowski, Edward D.

Author Affil.: National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.; National Advisory Committee for Aeronautics. Lewis Flight Propulsion Lab.

Report Number: NACA-RM-E6L04a

Document ID (CASI): 20040028021

Publication Date: December 24, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the Pressure-Loss Characteristics of the Westinghouse X24-C-2 Inlet Screen, TED No. NACA 0447

Author: Lankford, John L.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6J29

Document ID (CASI): 20050019666
Publication Date: December 02, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Measurements of the Directional Stability and Control of a P-51D Airplane with a Horn-Balanced Rudder as Compared with Previously Tested Vertical-Tail Configurations

Author: Mungall, Robert G.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6J25

Document ID (CASI): 20050019329

Publication Date: December 3, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Knock-Limited Performance of Triptane and Xylidines Blended with 28-R Aviation Fuel at High Compression Ratios and Maximum-Economy Spark Setting

Author: Held, Louis F.; Pritchard, Ernest I.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E6J07

Document ID (CASI): 20050071704

Publication Date: December 12, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Ditching Tests of a 1/9-Size Model of the Army P-38 Airplane in Langley Tank No. 2 and at the Outdoor Catapult

Author: Jarvis, George A.; Cederborg, Gibson A.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6J17

Document ID (CASI): 20050019474

Publication Date: December 03, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the I-40 Jet-Propulsion Engine in the Cleveland Altitude Wind Tunnel. IV - Analysis of Combustion-Chamber Performance

Author: Hensley, Reece V.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E6L18

Document ID (CASI): 20090025289

Publication Date: December 18, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tank Tests of a 1/7-Size Powered Dynamic Model of the Grumman XJR2F-1 Amphibian: Spray Characteristics, Take-Off and Landing Stability in Smooth Water - Langley Tank Model 212, TED No. NACA 2378

Author: Land, Norman S.; Zeck, Howrad

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6J10

Document ID (CASI): 20050019370

Publication Date: December 04, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Analytical Investigation of the Heat Losses from a U.S. Navy K-Type Airship
Author: Hillendahl, Wesley H.; George, Ralph E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-SA6L20
Document ID (CASI): 20090026315
Publication Date: December 20, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical and Experimental Data for a Number of NACA 6A-Series Airfoil Sections
Author: Loftin, Laurence K., Jr.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J01
Document ID (CASI): 20050092351
Publication Date: December 06, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests of a Modified Koppers Aeromatic Impeller-Generator Combination, TED No. NACA ARR 2901
Author: Queijo, M. J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6K19
Document ID (CASI): 20050019292
Publication Date: December 26, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Characteristics of a Sealed Internally Balanced Aileron from Tests of a 1/4-Scale Partial-Span Model of the Republic XF-12 Airplane in the Langley 19-Foot Pressure Tunnel
Author: Graham, Robert R.; Martina, Albert P.; Salmi, Reino J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6I18
Document ID (CASI): 20050019579
Publication Date: November 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning Tunnel Tests of a 1/20-Scale Model of the Chance Vought XF6U-1 Airplane, TED No. NACA 2390
Author: Klinar, Walter J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6H27
Document ID (CASI): 20050019259
Publication Date: November 05, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effect of an Auxiliary Belly Fuel Tank on the Low-Speed Static Stability Characteristics of a 1/5-Scale Model of the Grumman XF8F-1 Airplane, TED No. NACA 2384
Author: Cook, Charles B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6H21
Document ID (CASI): 20050019460

Publication Date: November 05, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61c Airplanes within Thunderstorms

Title: Number of Part: Part 3

Title: Name of Part: July 12, 1946 to July 18, 1946 at Orlando, Florida

Author: Tolefson, H. B.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6I24-Pt-3

Document ID (CASI): 20050019366

Publication Date: November 05, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/20-Scale Model of the Northrop N-9M Airplane

Author: MacDougall, George F., Jr.; Lichtenstein, Jacob H.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6G30

Document ID (CASI): 20050019257

Publication Date: November 04, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning Tunnel Tests of a 1/25-Scale Model of the North American XFJ-1 Airplane, TED No. NACA 2400

Author: Berman, Theodore

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6H29

Document ID (CASI): 20050019641

Publication Date: November 18, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tank Tests of an Alternate Hull Form for the Consolidated Vultee PB2Y-3 Airplane

Author: Land, Norman S.; Posner, Jack

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6I26

Document ID (CASI): 20050028466

Publication Date: November 06, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Longitudinal-Stability and Control Characteristics of the Consolidated Vultee Lark Missile as Predicted from Wind-Tunnel Tests (TED No. NACA 2391)

Author: Axelson, John A.; Martin, Andrew

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.

Report Number: NACA-RM-SA6K19

Document ID (CASI): 20090026320

Publication Date: November 19, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Estimation of the Flying Qualities of the Kaiser Fleetwing All-Wing Airplane from Tests of a 1/7-Scale Model, TED No. NACA 2340

Author: Brewer, Gerald W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J18
Document ID (CASI): 20050031173
Publication Date: November 1, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flying Qualities of the Curtiss XF15X-1 Airplane with a T-Tail as Estimated from Wind-Tunnel Tests of a 01.14-Scale Model
Author: Christiani, R. Duane
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-RM-A6K29
Document ID (CASI): 20090026540
Publication Date: November 29, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Effects of Wing Flaps and Wing Duct Inlet on the Lift and Stalling Characteristics of a 1/4-Scale Partial-Span Model of the Republic XF-12 Airplane in the Langley 19-Foot Pressure Tunnel
Author: Graham, Robert R.; Martina, Albert P.; Salmi, Reino J.
Author Affil.: Air Materiel Command; Air Materiel Command; Air Materiel Command
Report Number: NACA-RM-L6J22
Document ID (CASI): 20050019661
Publication Date: November 18, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms
Title: Number of Part: Part 4
Title: Name of Part: July 19, 1946 to July 20, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J16b-Pt-4
Document ID (CASI): 20050019314
Publication Date: November 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Performance of 19XB-2A Gas Turbine
Title: Number of Part: 1
Title: Name of Part: Effect of Pressure Ratio and Inlet Pressure on Turbine Performance for an Inlet Temperature of 800 degree R
Author: Kohl, Robert C.; Larkin, Robert G.
Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.; National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.
Report Number: NACA-RM-E6K18
Document ID (CASI): 20090026507
Publication Date: November 18, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tank Tests of 1/5.5-Scale Forward Dynamic Model of the Columbia XJL-1 Amphibian - Langley Tank Model 208, TED No. NACA 2336
Author: Havens, Robert F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6I20

Document ID (CASI): 20050019373
Publication Date: November 13, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61c Airplanes within Thunderstorms

Title: Number of Part: II

Title: Name of Part: July 9, 1946 to July 11, 1946 at Orlando, Florida

Author: Tolefson, Harold B.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6I16a

Document ID (CASI): 20050019477

Publication Date: November 05, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Investigation of the Icing and Heated-air De-icing Characteristics of the R-2600-13 Induction System

Author: Chapman, Gilbert E.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E6K11

Document ID (CASI): 20090026508

Publication Date: November 11, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation of Effect of Various Vertical-Tail Modifications on the Directional Stability and Control Characteristics of the P-63A-1 Airplane (AAF No. 42-68889)

Author: Johnson, Harold I.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6J07

Document ID (CASI): 20090026463

Publication Date: October 07, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Langley Full-Scale Tunnel Investigation of a 1/3-Scale Model of the Chance Vought XF5U-1 Airplane

Author: Lange, Roy H.; Cocke, Bennie W., Jr.; Proterra, Anthony J.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6I19

Document ID (CASI): 20050019375

Publication Date: October 11, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Plane and Three-Dimensional Flow at High Subsonic Speeds

Author: Gothert, B.

Author Affil.: Zentrale fuer Wissenschaftliches Berichtswesen

Report Number: NACA-TM-1105

Document ID (CASI): 20050010179

Publication Date: October 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flow Investigation with the Aid of the Ultramicroscope

Author: Vogelpohl, G.; Mannesmann, D.
Report Number: NACA-TM-1109
Document ID (CASI): 20050019398
Publication Date: October 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Tests of a Buffet Stall-Warning Device on a 1/5-Scale Model of the Republic XP-84 Airplane

Author: Tucker, Warren A.; Comisarow, Paul
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J02
Document ID (CASI): 20050019372
Publication Date: October 30, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Waters Loads on the XJL-1 Hull as Obtained in Langley Impact Basin, TED No. NACA 2413.3

Author: Steiner, Margaret F.; Miller, Robert W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6I03
Document ID (CASI): 20050019374
Publication Date: October 11, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Turbulent Mixing Processes

Author: Viktorin, K.
Report Number: NACA-TM-1096
Document ID (CASI): 20050019454
Publication Date: September 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Investigation of the Horizontal Motion of a Wing Near the Ground

Author: Serebrisky, Y. M.; Biachuev, S. A.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.; Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1095
Document ID (CASI): 20050019459
Publication Date: September 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Influence of the Jet of a Propulsion Unit on Nearby Wings

Author: Falk, H.
Author Affil.: Deutsche Akademie der Luftfahrtforschung
Report Number: NACA-TM-1104
Document ID (CASI): 20050009881
Publication Date: September 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Further Development of Heat-Resistant Materials for Aircraft Engines

Author: Bollenrath, Franz
Report Number: NACA-TM-1093
Document ID (CASI): 20050019453

Publication Date: September 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Altitude-wind-tunnel Investigation of Oil-System Performance of XR-4360-8 Engine in XTB2D-1 Airplane

Author: Conrad, E. William

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E6104

Document ID (CASI): 20090026443

Publication Date: September 04, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Airscrew Gyroscopic Moments

Author: Bock, G.

Report Number: NACA-TM-1099

Document ID (CASI): 20050019386

Publication Date: September 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-Tunnel Tests to Determine Aileron Characteristics of the McDonnell XFD-1 Airplane, TED No. NACA 23102

Author: Yates, Campbell C.; Schneiter, Leslie E.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6H21a

Document ID (CASI): 20050019307

Publication Date: September 26,, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Investigation of the Knock-limited Performance of a Triptane Blend, A Toluene Blend, and 28-R Fuel in an R-1830-75 Engine

Author: Blackman, Calvin C.

Author Affil.: National Advisory Committee for Aeronautics. Aircraft Engine Research Lab.

Report Number: NACA-RM-E6103

Document ID (CASI): 20090026343

Publication Date: September 03, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigations of Pressure Distribution on Fast Flying Bodies

Author: Stamm, G.

Author Affil.: NASA

Report Number: NACA-TM-1101

Document ID (CASI): 20050241743

Publication Date: September 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Free-Spinning-Tunnel Tests of a 1/18-Scale Model of the Fairchild XNQ-1 Airplane, TED No. NACA 2398

Author: Daughtridge, Lee T., Jr.

Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-RM-L6H28

Document ID (CASI): 20050031171

Publication Date: September 30, 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Distribution of Structural Weight of Wing along the Span

Author: Savelyev, V. V.

Report Number: NACA-TM-1086

Document ID (CASI): 20050019458

Publication Date: August 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Strength Investigations in Aircraft Construction Under Repeated Application of the Load

Author: Gassner, E.

Report Number: NACA-TM-1087

Document ID (CASI): 20050019451

Publication Date: August 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the Problem of Stress Corrosion

Author: Graf, L.

Report Number: NACA-TM-1090

Document ID (CASI): 20050019452

Publication Date: July 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Kinetics of Chemical Reactions in Flames

Author: Zeldovich, Y.; Semenov, N.

Report Number: NACA-TM-1084

Document ID (CASI): 20050031118

Publication Date: June 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Materials Presented at the NACA Conference on Supersonic Aerodynamics at Ames Aeronautical Laboratory on June 4, 1946

Document ID (CASI): 20030068870

Publication Date: June 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Three-Dimensional Supersonic-Wing Theory

Author: Jones, Robert T.

Author Affil.: NASA Ames Research Center

Document ID (CASI): 20030068877

Publication Date: June 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Triangular and Swept-Back Wing Data

Author: Stack, John

Author Affil.: NASA Ames Research Center

Document ID (CASI): 20030068871

Publication Date: June 1946

Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Data Through A Mach Number of 1.0 -- Part I. Falling-Body Techniques

Author: Bailey, F. J., Jr.
Author Affil.: NASA Ames Research Center
Document ID (CASI): 20030068878
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Data Through A Mach Number of 1.0 -- Part II. Rocket-Powered Models

Author: Gilruth, R. R.
Author Affil.: NASA Ames Research Center
Document ID (CASI): 20030068879
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Aerodynamic Data Through A Mach Number of 1.0 -- Part III . Wing-Flow Technique

Author: Gilruth, R. R.
Author Affil.: NASA Ames Research Center
Document ID (CASI): 20030068876
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wing-Body Interaction and Scale Effect at Supersonic Speeds

Author: Vincenti, Walter G.
Author Affil.: NASA Ames Research Center
Document ID (CASI): 20030068880
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Subsonic Aerodynamic Characteristics of Airfoils Suitable For Supersonic Flight

Author: Allen, H. Julian
Author Affil.: NASA Ames Research Center
Document ID (CASI): 20030068873
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theory and Experiments on Supersonic Inlets and Diffusers

Author: Kantrowitz, Arthur
Author Affil.: NASA Ames Research Center
Document ID (CASI): 20030068874
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Internal Aerodynamics of Ram Jets

Author: Silverstein, Abe
Author Affil.: NASA Ames Research Center
Document ID (CASI): 20030068872
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Supersonic Axial-Flow Compressor

Author: Kantrowitz, Arthur
Author Affil.: NASA Ames Research Center

Document ID (CASI): 20030068875
Publication Date: June 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Longitudinal Stability and Stalling Characteristics of a 1/8.33-Scale Model of the Republic XF-12 Airplane
Author: Pepper, Edward; Foster, Gerald V.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6L12
Document ID (CASI): 20050019304
Publication Date: [1946]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms August 21, 1946 to August 22, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6L02a
Document ID (CASI): 20050019310
Publication Date: [1946]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of a 1/7-Scale Semispan Model of the XB-35 Airplane in the Langley 19-Foot Pressure Tunnel
Author: Teplitz, Jerome; Kayten, Gerald G.; Cancro, Patrick A.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-MR-L5L27
Document ID (CASI): 20040085365
Publication Date: January 16, 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight-Test Evaluation of the Longitudinal Stability and Control Characteristics of 0.5-Scale Models of the Fairchild Lark Pilotless-Aircraft Configuration. Model with Wing Flaps Deflected 15 Degrees, TED No. NACA 2387
Author: Stone, David G.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L6J28a
Document ID (CASI): 20050019365
Publication Date: [1946]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Evaluation of Gust and Draft Velocities from Flights of P-61C Airplanes within Thunderstorms: August 23, 1946 to September 4, 1946 at Orlando, Florida
Author: Tolefson, H. B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-L7A14
Document ID (CASI): 20050019407
Publication Date: [1946]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calibration Tunnel for High Speed
Author: Pretsch, J.
Author Affil.: National Advisory Committee for Aeronautics
Report Number: NACA/TM-1103
Document ID (CASI): 20050241728
Publication Date: 1946
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Results on tests on various axially symmetrical radiator
Author: Zobel, T.
Accession Number: 66X81223
Report Number: NASA-TM-X-57237
Document ID (CASI): 19660089665
Publication Date: Jan 1, 1946
Authorized Users: U.S. Government agencies and U.S. Government agency contractors only

Title (Incl. Subtitle): Thermodynamic data for the computation of the performance of exhaust-gas turbines
Author: Turner, Richard
Accession Number: 93R22407
Report Number: NACA-WR-E-23; NACA-ARR-4B25
Document ID (CASI): 19930093117
Shelflist No. (NACA): 3103 43 (LA)
Publication Date: October 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Micromechanical Study of Metals
Author: Velikov, P. A.; Stchapov, N. P.; Lorenz, W. F.
Report Number: NACA-TM-1083
Document ID (CASI): 20050019457
Publication Date: July 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Column and plate compressive strengths of aircraft structural materials: extruded 24S-T aluminum alloy
Author: Roy, J Albert
Report Number: NACA-WR-L-32; NACA-ARR-L5F08b
Document ID (CASI): 20050243505
Publication Date: July 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of the LEM ascent propulsion subsystem failure mode characterized by loss of more than 680 ft/sec of ascent delta V after approximately 245 seconds of powered descent
Author: Davidson, R. B.
Author Affil.: NASA Lyndon B. Johnson Space Center
Accession Number: 79X74796
Report Number: NASA-TM-80396; WORKING-PAPER-1166
Document ID (CASI): 19790085570
Publication Date: Jun 30, 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Recent Development of the Two-Stroke Engine
Title: Number of Part: 2

Title: Name of Part: Design Features
Author: Zeman, J.
Report Number: NACA-TM-1082-Pt-2
Document ID (CASI): 20050028386
Publication Date: May 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Experimental Investigation of NACA Submerged-Duct Entrances
Author: Frick, Charles W.; Davis, Wallace F.; Randall, Lauros; Mossman, Emmet A.
Report Number: NACA-MR-A5E23
Document ID (CASI): 20090012113
Publication Date: May 23, 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental and Theoretical Investigations of Cavitation in Water
Author: Ackeret, J.
Author Affil.: Eidgenoessische Technische Hochschule
Report Number: NACA-TM-1078
Document ID (CASI): 20050019673
Publication Date: May 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Calculation of Centrally Loaded Thin-Walled Columns Above the Buckling Limit
Author: Reinitzhuber, F.
Report Number: NACA-TM-1077
Document ID (CASI): 20050019672
Publication Date: April 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A New Apparatus for Measuring the Temperature at Machine Parts Rotating at High Speeds
Author: Gnam, E.
Report Number: NACA-TM-1080
Document ID (CASI): 20050019674
Publication Date: April 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Minimum Energy Loss Propeller
Author: Poliakhov, N.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1067
Document ID (CASI): 20050031106
Publication Date: March 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): British research on heat-resisting alloys. Section 2: Reports of the Metallurgy Division, National Physical Laboratory Ministry of Aircraft Production
Accession Number: 78X73132
Report Number: NASA-TM-78401
Document ID (CASI): 19780083459
Publication Date: Mar 20, 1945
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): British research on heat-resisting alloys. Section 3: Reports of the Engineering Department, National Physical Laboratory, Ministry of Aircraft Production
Accession Number: 78X73133
Report Number: NASA-TM-78402
Document ID (CASI): 19780083460
Publication Date: Mar 20, 1945
Authorized Users: U.S. Government agencies only

Title (Incl. Subtitle): British research on heat-resisting alloys. Section 1: Minutes of meetings of the High Temperature Materials Research Committee
Accession Number: 74X71195
Document ID (CASI): 19740081609
Publication Date: Mar 20, 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): New Method of Determining the Polar Curve of an Airplane in Flight
Author: Yegorov, B. N.
Report Number: NACA-TM-1076
Document ID (CASI): 20050028476
Publication Date: March 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Measurements of Lateral and Directional Stability and Control Characteristics of the Grumman F8F-1 Airplane
Author: Crane, H. L.; Reeder, J. P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-RM-SL7L31
Document ID (CASI): 20050028615
Publication Date: [1945]
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Method of Analysis of V-G Records from Transport Operations
Author: Peiser, A. M.; Wilkerson, M.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-TR-807
Document ID (CASI): 20050241796
Publication Date: 1945
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight tests of the high-speed performance of a P-51B airplane (AAF no. 43-12105)
Author: Voglewede, T. J.; Danforth, E. C. D.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Accession Number: 78N78562
Report Number: NASA-TM-79875; NACA-MR-L4L18
Document ID (CASI): 19780078569
Publication Date: Dec 18, 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Wall Interference of a Wind Tunnel of Elliptic Cross Section
Author: Tani, Itiro; Sanuki, Matao

Report Number: NACA-TM-1075
Document ID (CASI): 20050019644
Publication Date: November 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transfer in a Turbulent Liquid or Gas Stream
Author: Latzko, H.
Author Affil.: Wien Univ.
Report Number: NACA-TM-1068
Document ID (CASI): 20050031111
Publication Date: October 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Methods of Stress Calculation in Rotating Disks
Author: Tumarkin, S.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1064
Document ID (CASI): 20050031076
Publication Date: September 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): DVL Angular Velocity Recorder
Author: Liebe, Wolfgang
Report Number: NACA-TM-1065
Document ID (CASI): 20050031077
Publication Date: August 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Surface Structure of Ground Metal Crystals
Author: Boas, W.; Schmid, E.
Report Number: NACA-TM-1072
Document ID (CASI): 20050031116
Publication Date: August 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Determination of the Actual Contact Surface of a Brush Contact
Author: Holm, Ragnar
Author Affil.: Siemens-Werke
Report Number: NACA-TM-1071
Document ID (CASI): 20050031113
Publication Date: August 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Frictional Force with Respect to the Actual Contact Surface
Author: Holm, Ragnar
Report Number: NACA-TM-1074
Document ID (CASI): 20050019642
Publication Date: August 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Effect of Piston-Head Temperature on Knock-Limited Power
Author: Imming, Harry S.
Author Affil.: NASA Lewis Research Center

Report Number: NACA-WR-E-35; NACA-ARR-E4G13
Document ID (CASI): 20050019668
Publication Date: July 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Comparative Results of Tests on Several Different Types of Nozzles
Author: Kisenko, M. S.
Report Number: NACA-TM-1066
Document ID (CASI): 20050030012
Publication Date: May 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Investigation of Single Stage Axial Fans
Author: Ruden, P.
Report Number: NACA-TM-1062
Document ID (CASI): 20050031075
Publication Date: April 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Theory of a Free Jet of a Compressible Gas
Author: Abramovich, G. N.
Author Affil.: Academy of Sciences (Russia)
Report Number: NACA-TM-1058
Document ID (CASI): 20050019538
Publication Date: March 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Researches on the Piston Ring
Author: Eihara, Keikiti
Author Affil.: Tokyo Univ.
Report Number: NACA-TM-1057
Document ID (CASI): 20050019537
Publication Date: February 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Determination of the Stresses Produced by the Landing Impact in the Bulkheads of a Seaplane Bottom
Author: Darevsky, V. M.
Report Number: NACA-TM-1055
Document ID (CASI): 20050040757
Publication Date: January 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): On the flow of a compressible fluid by the hodograph method II : fundamental set of particular flow solutions of the Chaplygin differential equation
Author: Garrick, I. E.; Kaplan, Carl
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA/TR-790
Document ID (CASI): 20050241735
Publication Date: 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Wind-tunnel procedure for determination of critical stability and control characteristics of airplanes
Author: Goett, Harry J.; Jackson, Roy P.; Belsley, Steven E.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA/TR-781
Document ID (CASI): 20050241742
Publication Date: 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An interim report on the stability and control of tailless airplanes
Author: Donlan, Charles J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA/TR-796
Document ID (CASI): 20050241739
Publication Date: 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A theoretical investigation of longitudinal stability of airplane with free controls including effect of friction in control system
Author: Greenberg, Harry; Sternfield, Leonard
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA/TR-791
Document ID (CASI): 20050241736
Publication Date: 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight studies of the horizontal-tail loads experienced by a fighter airplane in abrupt maneuvers
Report Number: NACA/TR-792
Document ID (CASI): 20050241737
Publication Date: 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): EXPERIMENTS ON DRAG OF REVOLVING DISKS, CYLINDERS, AND STREAMLINE RODS AT HIGH SPEEDS
Author: Theodorsen, Theodore; Regier, Arthur
Report Number: NACA-TR-793
Document ID (CASI): 20050241738
Publication Date: 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Profile Measurements During Cavitation
Author: Walchner, O.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-TM-1060
Document ID (CASI): 20050051661
Publication Date: January 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): An Experimental Investigation of the Flow of Air in a Flat Broadening Channel

Author: Vedernikoff, A. N.
Report Number: NACA-TM-1059
Document ID (CASI): 20050028474
Publication Date: January 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): COMPRESSIBILITY AND HEATING EFFECTS ON PRESSURE LOSS AND COOLING OF A BAFFLED CYLINDER BARREL

Author: Goldstein, Arthur W.; Ellerbrock, Herman H., Jr.
Report Number: NACA-TR-783
Document ID (CASI): 20050241733
Publication Date: 1944
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Piston Ring Pressure Distribution

Author: Kuhn, M.
Report Number: NACA-TM-1056
Document ID (CASI): 20050000032
Publication Date: December 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transfer and Hydraulic Flow Resistance for Streaks of High Velocity

Author: Lelchuk, V. L.
Report Number: NACA-TM-1054
Document ID (CASI): 20050030011
Publication Date: December 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Determination of the Mass Moments and Radii of Inertia of the Sections of a Tapered Wing and the Center-of-Gravity Line along the Wing Span

Author: Savelyev, V. V.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1052
Document ID (CASI): 20050019485
Publication Date: December 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Coupling of Flexural Propeller Vibrations with the Torsional Crankshaft Vibrations

Author: Meyer, J.
Report Number: NACA-TM-1051
Document ID (CASI): 20050019482
Publication Date: December 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Periodic Heat Transfer at Small Pressure Fluctuations

Author: Pfriem, H.
Report Number: NACA-TM-1048
Document ID (CASI): 20050030010
Publication Date: September 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transfer Through Turbulent Friction Layers

Author: Reichardt, H.
Report Number: NACA-TM-1047
Document ID (CASI): 20050030063
Publication Date: September 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): NACA investigation of a jet-propulsion system applicable to flight
Author: Ellis, Macon C.; Brown, Clinton E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA/TR-802
Document ID (CASI): 20050241734
Publication Date: September 17, 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Researches on Preliminary Chemical Reactions in Spark-Ignition Engines
Author: Muehlner, E.
Report Number: NACA-TM-1049
Document ID (CASI): 20050019480
Publication Date: June 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): The Heat Transfer to a Plate in Flow at High Speed
Author: Eckert, E.; Drewitz, O.
Report Number: NACA-TM-1045
Document ID (CASI): 20050019476
Publication Date: May 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Experimental Investigation of a Model of a Two-Stage Turboblower
Author: Dovjik, s.; Polikovskiy, W.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.; Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1043
Document ID (CASI): 20050019470
Publication Date: April 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Heat Transfer of Airfoils and Plates
Author: Seibert, Otto
Report Number: NACA-TM-1044
Document ID (CASI): 20050019473
Publication Date: April 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Theoretical Determination of Axial Fan Performance
Author: Struve, E.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1042
Document ID (CASI): 20050019468
Publication Date: April 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Determination of Flight Paths of an SBD-1 Airplane in Simulated Diving Attacks, Special Report
Author: Johnson, Harold I.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-248; NACA-SR-248
Document ID (CASI): 20090016689
Publication Date: March 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tail Buffeting
Author: Abdrashitov, G.
Report Number: NACA-TM-1041
Document ID (CASI): 20050029406
Publication Date: February 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Investigation of the Effect of Compressibility on the Maximum Lift Coefficient, Special Report
Author: Stack, John; Fedziuk, Henry A.; Cleary, Harold E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-246; NACA-SR-246
Document ID (CASI): 20090016700
Publication Date: February 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): NACA Radio Ground-Speed System for Aircraft, Special Report
Author: Hastings, Charles E.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-256; NACA-SR-256
Document ID (CASI): 20090016313
Publication Date: February 1943
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Piezoelectric Instruments of High Natural Frequency Vibration Characteristics and Protection Against Interference by Mass Forces
Author: Gohlka, Werner
Report Number: NACA-TM-1040
Document ID (CASI): 20050029403
Publication Date: February 1943
Authorized Users: NASA personnel only

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Author: Schwabe, M.
Report Number: NACA-TM-1039
Document ID (CASI): 20050029402
Publication Date: January 1943
Authorized Users: NASA personnel only

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Author: Allen, H. Julian; Nitzberg, Gerald E.

Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-ACR-252; NACA-SR-252
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Publication Date: January 1943
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Author: Levin, L. Ross; Nelson, David H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
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Authorized Users: NASA personnel only

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Author: Polikovskiy, V.; Nevelson, M.
Report Number: NACA-TM-1038
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Publication Date: December 1942
Authorized Users: NASA personnel only

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Author: Mattioli, G. D.
Report Number: NACA-TM-1037
Document ID (CASI): 20050030057
Publication Date: December 1942
Authorized Users: NASA personnel only

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Author: Abbott, Ira H.; Miller, Ralph B.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-242; NACA-SR-242
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Title (Incl. Subtitle): Heat Transfer in the Turbulent Boundary Layer of a Compressible Gas at High Speeds
Author: Frankl, F.
Author Affil.: Tsentralni Aerogidrodinamicheskii Inst.
Report Number: NACA-TM-1032; Rept-240
Document ID (CASI): 20050009880
Publication Date: October 1942
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Flight Measurements of the Alleron Characteristics of a Grumman F4F-3 Airplane
Author: Wetmore, J. W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.

Report Number: NACA-ACR-239; NACA-SR-239
Document ID (CASI): 20090019131
Publication Date: September 1942
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Tests of an NACA 66,2-420 Airfoil of 5-Foot Chord at High Speed, Special Report
Author: Hood, Manley J.; Anderson, Joseph L.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.; National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-ACR-234; NACA-SR-234
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Authorized Users: NASA personnel only

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Author: Guryansky, E. R.
Author Affil.: NASA Langley Research Center
Accession Number: 73X77924
Report Number: NASA-CR-69489
Document ID (CASI): 19730074345
Publication Date: Aug 4, 1942
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Preliminary Wind-Tunnel Tests of the Effect of Nacelles on the Characteristics of a Twin-Engine Bomber Model with Low-Drag Wing, Special Report
Author: Wenzinger, Carl J.; Sivells, James C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
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Author: Wetmore, J. W.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-222; NACA-SR-222
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Author: Delany, Noel K.
Author Affil.: National Advisory Committee for Aeronautics. Ames Aeronautical Lab.
Report Number: NACA-ACR-224; NACA-SR-224
Document ID (CASI): 20090016408
Publication Date: June 1942
Authorized Users: NASA personnel only

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Author: Pearson, H. A.; Amderspm. R. F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-220; NACA-SR-220
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Publication Date: May 1942
Authorized Users: NASA personnel only

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Author: Tifford, Arthur N.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-213; NACA-SR-213
Document ID (CASI): 20090016325
Publication Date: January 1942
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Title (Incl. Subtitle): Wind-Tunnel Investigation of an NACA Low-Drag Tapered Wing with Straight Trailing Edge and Simple Split Flaps, Special Report
Author: Muse, Thomas C.; Neely, Robert H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-ACR-212; NACA-SR-212
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Author: Muse, Thomas C.; Neely, Robert H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
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Author: Czarnecki, K. R.; Guryansky, Eugene R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-205
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Author: Stoller, Morton J.; Ribner, Herbert S.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-206
Document ID (CASI): 20090016330
Publication Date: August 1941

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Author: Stack, John; Moberg, Richard J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-202
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Publication Date: July 1941
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Author: Muse, Thomas C.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-198
Document ID (CASI): 20090016617
Publication Date: July 1941
Authorized Users: NASA personnel only

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Author: Harmon, Hubert N.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-196
Document ID (CASI): 20090016321
Publication Date: June 1941
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Critical Compressive Stress for Flat Rectangular Plates Supported Along all Edges and Elastically Restrained Against Rotation Along the Unloaded Edges, Special Report 189
Author: Lundquist, Eugene E.; Stowell, Eldbridge Z.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-189
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Authorized Users: NASA personnel only

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Author: Reuter, J. George; Valerino, Michael F.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
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Author: Lester, E. M.; Paulson, V. A.
Author Affil.: Pratt and Whitney Aircraft; Naval Aircraft Factory
Report Number: NACA-SR-194

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Title (Incl. Subtitle): Propeller-Design Problems of High-Speed Airplanes, Special Report
Author: Dickinson, H. B.
Author Affil.: Lockheed Aircraft Corp.
Report Number: NACA-SR-187
Document ID (CASI): 20090015108
Publication Date: April 1941
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Title (Incl. Subtitle): Critical Compressive Stress for Outstanding Flanges
Author: Lundquist, Eugene E.; Stowell, Elbridge Z.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Report Number: NACA-SR-188
Document ID (CASI): 20090014138
Publication Date: April 1941
Authorized Users: NASA personnel only

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Author: Greenberg, Harry
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-171
Document ID (CASI): 20090022096
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Author: Jones, Alun R.
Author Affil.: National Advisory Committee for Aeronautics
Report Number: NACA-SR-176
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Authorized Users: NASA personnel only

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Author: Pnkel, Benjamin; Turner, L. Richard
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
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Author: Lunquist, Eugene E.; Kotanchik, Joseph N.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center

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Document ID (CASI): 20090014132
Publication Date: November 1940
Authorized Users: NASA personnel only

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Author: Biermann, David; Hartman, Edwin P.; Pepper, Edward
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
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Publication Date: October 1940
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Author: Swanson, Robert S.; Schuldenfrei, Marvin J.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-159
Document ID (CASI): 20090015240
Publication Date: September 1940
Authorized Users: NASA personnel only

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Author: Ward, Kenneth E.; Land, Norman S.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Report Number: NACA-SR-158
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Publication Date: September 1940
Authorized Users: NASA personnel only

Title (Incl. Subtitle): A Flight Investigation of Exhaust-Heat De-Icing, Special Report
Author: Rodert, Lewis A.; Jones, Alun R.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-155
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Publication Date: September 1940
Authorized Users: NASA personnel only

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Author: Biermann, David; McLellan, Charles H.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-154
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Author: Rodert, Lewis A.
Author Affil.: NASA Langley Research Center
Report Number: NACA-SR-153
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Publication Date: August 1940
Authorized Users: NASA personnel only

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Author: Biermann, David; Hartman, Edwin P.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-157
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Author: McHugh, James G.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-144
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Publication Date: May 1940
Authorized Users: NASA personnel only

Title (Incl. Subtitle): High-Speed Tests of a Model Twin-Engine Low-Wing Transport Airplane
Author: Becker, John V.; Leonard, Lloyd H.
Author Affil.: NASA Langley Research Center; NASA Langley Research Center
Report Number: NACA-SR-143
Document ID (CASI): 20090014136
Publication Date: April 1940
Authorized Users: NASA personnel only

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Author: Pinkel, Benjamin; Voss, Fred
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.; National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-139
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Authorized Users: NASA personnel only

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Author: Becker, John V.
Author Affil.: National Advisory Committee for Aeronautics. Langley Aeronautical Lab.
Report Number: NACA-SR-137
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Publication Date: January 1940
Authorized Users: NASA personnel only

Title (Incl. Subtitle): Mechanical Properties of Flush-Riveted Joints
Author: Bruggeman, Wm. C.; Roop, Frederick C.
Author Affil.: National Bureau of Standards; National Bureau of Standards
Report Number: NACA-SR-142
Document ID (CASI): 20090014137
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Authorized Users: NASA personnel only