

Nasa Stuff

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The NASA Technical Reports Server has available a PDF format final report on the ROVER program.

Also listed are other nuclear propulsion reports on the NTRS server that are available in PDF format.

Rover Nuclear Rocket Engine Program – Overview of Rover Engine Tests – Final Report 1991

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19920005899_1992005899.pdf

Reactor in-flight test system. Volume 1: RIFT program summary – 1961

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19740074802_1974074802.pdf

Nuclear Rocket Propulsion – 1962

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19630001636_1963001636.pdf

Nuclear pulse space vehicle study. volume i– summary – 1964

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19650058729_1965058729.pdf

Assembly and brazing of NERVA U-tube nozzles – 1965

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19750068371_1975068371.pdf

Nuclear pulse vehicle study – 1965

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19760065935_1976065935.pdf

Nuclear pulse space vehicle study. Volume IV – Mission velocity requirements and system comparisons – 1966

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19660072847_1966072847.pdf

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http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19660072846_1966072846.pdf

Nuclear Rocket Technology Conference – 1966

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19730061727_1973061727.pdf

Nuclear criticality study of a specific vortex-stabilized gaseous nuclear rocket engine – 1967

sci.space.history: Nasa Stuff

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19700073228_1970073228.pdf

A method of predicting heat transfer coefficients in the cooling passages of NERVA and Phoebus-2 rocket nozzles – 1968

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19680014393_1968014393.pdf

Feasibility study of a tungsten water-moderated nuclear rocket. 1: Summary report – 1968

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19720066825_1972066825.pdf

Feasibility study of a tungsten water-moderated nuclear rocket. 2: Fueled materials – 1968

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19720066826_1972066826.pdf

Feasibility study of a tungsten water-moderated nuclear rocket. 3: Fuel elements – 1968

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19720066827_1972066827.pdf

Feasibility study of a tungsten water-moderated nuclear rocket. 4: Neutronics – 1968

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19720066828_1972066828.pdf

Feasibility study of a tungsten water-moderated nuclear rocket. 5: Engine system – 1968

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Feasibility study of a tungsten water-moderated nuclear rocket. 6: Feed system and rotating machinery – 1968

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19720066829_1972066829.pdf

Experimental investigations to simulate the thermal environment, transparent walls, and propellant heating in a nuclear light bulb engine – 1969

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19700002925_1970002925.pdf

Status of nuclear flight system definition studies – 1971

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19790073697_1979073697.pdf

Fluid dynamics computer programs for NERVA turbopump – 1972

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Comparison of mission design options for manned Mars missions – 1986

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19940004168_1994004168.pdf

Preliminary survey of 21st century civil mission applications of space nuclear power – 1987

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19910005504_1991005504.pdf

Comparison of Fusion/Antiproton Propulsion Systems for Interplanetary Travel – 1987

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Nuclear propulsion: A vital technology for the exploration of Mars and the planets beyond – 1988

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19890001573_1989001573.pdf

Manned Mars Explorer project: Guidelines for a manned mission to the vicinity of Mars using Phobos as a staging outpost; schematic vehicle designs considering chemical and nuclear electric propulsion – 1988

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19890008233_1989008233.pdf

Nuclear technology and the space exploration missions – 1990

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19900013531_1990013531.pdf

An historical perspective of the NERVA nuclear rocket engine technology program – 1991

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19910017902_1991017902.pdf

Nuclear Thermal Propulsion: A Joint NASA/DOE/DOD Workshop – 1991

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19920001870_1992001870.pdf

Nuclear thermal propulsion transportation systems for lunar/Mars exploration – 1992

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19930003175_1993003175.pdf

The rationale/benefits of nuclear thermal rocket propulsion for NASA's lunar space transportation system – 1994

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19950009268_1995109268.pdf

Scoping calculations of power sources for nuclear electric propulsion – 1994

http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19940029705_1994029705.pdf

Conceptual Design of a Vapor Core Reactor Rocket Engine for Space Propulsion – 1996

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