# Introduccion A Los Motores Cohete

Propulsion Techniques
Orbital Maneuvers with Finite Thrust Rockets
Experimental Investigation in an Altitude Test Facility of Burning of Excess Combustibles in a Rocket Engine Exhaust
Performance of Two Subliming-solid-propellant Thrustor Systems for Attitude Control of Spacecraft
Comparative In-flight Thrust Measurements of the SERT II Ion Thruster
Studies of the Exhaust Products from Solid Propellant Rocket Motors
Calculation of Rocket Vertical-flight Performance
Rocket and Spacecraft Propulsion
Performance Charts for Multistage Rocket Boosters
Experimental Evaluation of Rocket Exhaust Diffusers for Altitude Simulation
Control of a Large Launch Vehicle with Limited Thrust Vectoring in the Presence of Winds
Experimental Performance of Liquid Hydrogen and Liquid Fluorine in Regeneratively Cooled Rocket Engines
Experimental Performance of a Hydrogen- Fluorine Rocket Engine at Several Chamber Pressures and Exhaust-nozzle Expansion Area Ratios
Analysis of Injection-velocity Effects on Rocket Motor Dynamics and Stability
Relations of Combustion Dead Time to Engine Variables for a 20,000-pound-thrust Gaseous-hydrogen
A High-performance 250-pound-thrust Rocket Engine Utilizing Coaxial-flow Injection of JP-4 Fuel and Liquid Oxygen
Supersonic Investigation of Nozzle Hinge Moments of a Modified Saturn C-1 Model with and Without Jet Flow
Analysis of Chugging in Liquid-bipropellant Rocket Engines Using Propellants with Different Vaporization Rates
Design and Evaluation of a Turbojet-exhaust Simulator with a Solid-propellant Rocket Motor for Free-flight Research
Investigation of Injectors for a Low-chamber-pressure Hydrogen-fluorine Rocket Engine
17th JANNAF Combustion Meeting, NASA Langley Research Center, Hampton, Virginia, September 22-26, 1980
Máquinas térmicas motoras (volum I)
Design, Development, and Testing of a 1000 Pound (4450 N) Thrust FLOX-propane Ablative Rocket Engine
Evaluation of Tangential Velocity Effects on Spinning Transverse Combustion Instability
Introducción a la ingeniería espacial
Experimental Performance of a Hydrogen-fluorine Rocket Engine at Several Chamber Pressures and Exhaust-nozzle Expansion Area Ratios
Introduccion General a la Tecnologia de Propulsion
Perigee Propulsion for Orbital Launch of Nuclear Rockets
Experimental Performance of Liquid Hydrogen and Liquid Fluorine in Regeneratively Cooled Rocket Engines
Nerva Control Drum Actuator Irradiation Test Program
Introducción a los motores de cohetes
Detonation Control for Propulsion
Solid Propellant Chemistry Combustion and Motor Interior Ballistics 1999
Captive-fired Testing of Solid Rocket Motors
Investigation of Injectors for a Low-chamber- Pressure Hydrogen-fluorine Rocket Engine
Analytical and Experimental Studies of Spherical Solid-propellant Rocket Motors
Comparison of Rocket Performance Using Exhaust Diffuser and Conventional Techniques for Altitude Simulation
Gaseous-hydrogen-liquid-oxygen Rocket Combustion at Supercritical Chamber Pressures
Technology Test Bed
Control of Combustion-chamber Pressure and Oxidant-fuel Ratio for a Regeneratively Cooled Hydrogen-fluorine Rocket Engine



## MILLS CORDOVA

Propulsion Techniques AIAA
Introducción a la ingeniería espacial proporciona un preámbulo a los fundamentos que constituyen esa especialización de la ingeniería, tanto en el segmento espacial como en el terrestre. Asimismo, provee al lector de las herramientas primordiales para comprender y ampliar los temas relacionados con los sistemas espaciales, desde tópicos elementales como los sistemas de referencias y las unidades temporales utilizados para determinar la posición de los satélites que orbitan la Tierra, hasta disciplinas más sofi sticadas como la mecánica celeste y el control térmico de satélites.
**Orbital Maneuvers with Finite Thrust Rockets** Springer
Drawn from early volumes of Aerospace America and its antecedents, this book rescues the insights, concerns, and dreams of dozens of space propulsion experts for the next generation of aerospace scientists and engineers. Written by well-known figures in space propulsion, this book provides readily accessible source material for design courses in astronautical engineering. Propulsion Techniques surveys the technologies of rocketry in the traditional categories of liquid, solid, hybrid, nuclear, and electric propulsion. Historical trends and cycles are displayed in each category as articles describe concepts and progress from the early visions of Goddard, Oberth, and Tsiolkovsky to proposed (and re-proposed) ideas for advanced space thrusters. In addition to descriptions of rocket engines of various types, associated technologies for propellants and space-electrical power systems are discussed.
**Experimental Investigation in an Altitude Test Facility of Burning of Excess Combustibles in a Rocket Engine Exhaust** AIAA
The revised edition of this practical, hands-on book discusses the launch vehicles in use today throughout the world, and includes the latest details on advanced systems being developed, such as electric and nuclear propulsion. The author covers the fundamentals, from the basic principles of rocket propulsion and vehicle dynamics through the theory and practice of liquid and solid propellant motors, to new and future developments. He provides a serious exposition of the principles and practice of rocket propulsion, from the point of view of the user who is not an engineering specialist.
*Performance of Two Subliming-solid-propellant Thrustor Systems for Attitude Control of Spacecraft* Univ. Politèc. de Catalunya
This book focuses on the latest developments in detonation engines for aerospace propulsion, with a focus on the rotating detonation engine (RDE). State-of-the-art research contributions are collected from international leading researchers devoted to the pursuit of controllable detonations for practical detonation propulsion. A system-level design of novel detonation engines, performance analysis, and advanced experimental and numerical methods are covered. In addition, the world’s first successful sled demonstration of a rocket rotating detonation engine system and innovations in the development of a kilohertz pulse detonation engine (PDE) system are reported. Readers will obtain, in a straightforward manner, an understanding of the RDE & PDE design, operation and testing approaches, and further specific integration schemes for diverse

applications such as rockets for space propulsion and turbojet/ramjet engines for air-breathing propulsion. Detonation Control for Propulsion: Pulse Detonation and Rotating Detonation Engines provides, with its comprehensive coverage from fundamental detonation science to practical research engineering techniques, a wealth of information for scientists in the field of combustion and propulsion. The volume can also serve as a reference text for faculty and graduate students and interested in shock waves, combustion and propulsion.

**Comparative In-flight Thrust Measurements of the SERT II Ion Thruster** Alpha Editorial

Experiments were conducted on an uncooled 20,000lb-thrust gaseous-H and LOX rocket engine over a range of chamber pressure from 45 to 300 psia and oxidant-fuel ratio from 2 to 7. Combustion dead times were measured and compared with dead times calculated from frequency data for two assumed combustion models. Measured combustion dead time decreased with increasing chamber pressure at constant oxidant-fuel ratio or LOX injection velocity. This dead time also decreased with oxidant-fuel ratio at constant chamber pressure or O injection velocity. For the engine model where combustion dead time was considered to be the inverse of twice the measured chamberpressure frequency, only a fair agreement with the measured dead time was obtained. When the measured chamber-pressure frequencies were corrected for gas-dynamics effects in terms of the gas residence time, close agreement with the measured dead times was obtained. (Author).

**Studies of the Exhaust Products from Solid Propellant Rocket Motors** Univ. Nacional de Colombia

**Calculation of Rocket Vertical-flight Performance** Springer Science & Business Media

**Rocket and Spacecraft Propulsion**

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