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Titolo	Space power systems engineering [[electronic resource] /] / edited by George C. Szego, J. Edward Taylor
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Descrizione fisica	1 online resource (1323 p.)
Collana	Progress in astronautics and aeronautics ; ; v. 16
Altri autori (Persone)	SzegoG. C TaylorJohn Edward <1915->
Disciplina	629.474
Soggetti	Space vehicles - Auxiliary power supply Space vehicles - Electric equipment
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A selection of technical papers based mainly on the American Institute of Aeronautics and Astronautics third biennial Aerospace Power Systems Conference held at Philadelphia, Pennsylvania, September 1-4, 1964." The previous two conferences sponsored by the American Rocket Society, were named American Rocket Society Space Power Systems Conference.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""COVER ""; ""TITLE""; ""COPYRIGHT""; ""ELECTRIC POWER SYSTEMS COMMITTEE""; ""PREFACE""; ""ACKNOWLEDGMENTS""; ""CONTENTS""; ""I. REQUIREMENTS AND APPLICATIONS""; ""I.1 Nuclear Requirements and Applications""; ""Radioisotope Power Systems for Manned Space Stations""; ""Application of SNAP Powerplants for the Lunar Base Mission""; ""Nuclear Electric Power for Manned Space Stations""; ""Application of Nuclear Electric Propulsion to Unmanned Scientific Probe Missions""; ""Electrical Propulsion for Space Missions: Planning Considerations"" ""A Critical Discussion on the Planning Considerations of Electric Propulsion for Space Missions""""Followed by discussion by Benjamin Pinkel""; ""Nuclear-Electric Power Requirements for Electric Rockets""; ""I. 2 Solar and Chemical Requirements and Applications""; ""Multikilowatt Solar Cell Power Systems""; ""Estimate of Solar-Thermionic System Performance""; ""Auxiliary Power Generating System

for a Large Space Laboratory""; ""Electrical Power Generation System Requirements for a Logistics Spacecraft""; ""Power Systems Comparison for Manned Space Station Applications""
""Preliminary Study of Thermal Integration of Electrical Power and Lifes Support Systems for Manned Space Vehicles""""Advanced Fuel Cell Applications for Space Missions""; ""II. NUCLEAR SYSTEMS DEVELOPMENT""; ""II. 1 The SNAP 2, 8, and 10A Reactor Programs Progress Report""; ""SNAP 2, 8, and 10A Reactor Programs Progress Report""; ""II. 2 Nuclear Dynamic Systems""; ""Application of the Brayton Cycle to Nuclear Electric Space Power Systems""; ""Status of SNAP-8 Electrical Generating System""; ""Recent Developments in Meteoroid Protection for Space Power Systems""
""The MPRE: A Boiling Potassium Reactor System""""The SNAP-50/SPUR Program""; ""A Summary of the SNAP Mercury Rankine System Status""; ""II. 3 Nuclear Thermoelectric Systems""; ""SNAP 9A a€? Significant Development Factors and Launch Approval""; ""SNAP 10A a€? A Status Report""; ""II. 4 Nuclear Thermionic Systems""; ""Multiple-Stage Thermionic Module""; ""An Engineering Evaluation of Advanced Nuclear Thermionic Space Powerplants""; ""Thermionic Double-Diode Fueled Converter""; ""Low-Power Isotope Thermionic Development Program (SNAP-13)""; ""III. SOLAR SYSTEMS DEVELOPMENT""
""III. 1 Solar Collectors""""Centrifugally Stabilized Deployable Solar Collectors""; ""Solar Concentrator Design and Construction""; ""III. 2 Solar Dynamic Systems""; ""Solar Dynamic Power Systems from 3 to 100 kw""; ""1.5-kw Solar Dynamic Space Power System""; ""Solar Brayton-Cycle Power-System Development""; ""Design Study of Solar Absorbers with Lithium Fluoride Heat Storage""; ""Development Status of Aluminum Solar Concentrators""; ""III. 3 Solar Thermoelectric Systems""; ""Solar Thermoelectric Power Conversion Coupled with Thermal Storage for Orbital Space Applications""
""Experiments on Radiant Energy Conversion Using Thin Dielectric Films""

2. Record Nr. UNINA9910231855203321

Titolo	Computer methods in biomechanics and biomedical engineering
Pubbl/distr/stampa	[London], : Gordon and Breach
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