



Bibliography of Political Science, 1886 Volume 1

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 118 pages. Original publisher: Blacksburg, Va. : Virginia Polytechnic Institute and State University, Dept. of Aerospace and Ocean Engineering ; Washington, D. C. : National Aeronautics and Space Administration, 1990 OCLC Number: (OCoLC)68216157 Subject: Space vehicles. Excerpt: . . . 1990 LOCOST Senior Design Project Vehicle Configuration This section describes the overall LOCOST vehicle configuration. It also presents a design rationale, a short description of the configuration evolution, and a configuration component summary. Design Rationale The design of an aerospace vehicle must consider the traditional design criteria. Special features of a vehicle merit additional study. Traditional design criteria are listed below. Low mass Low moments of inertia Simplicity in design Ease of integration of configuration components Efficiency in execution of mission Reliability The above criteria must be balanced by a vehicle's special needs. For example, a technologically advanced propulsion system can increase the vehicle mass and increase the complexity of design. These concerns are balanced by the increase in overall performance of the vehicle. The advanced propulsion system could also reduce overall propellant consumption making the previous objections moot. Such is the case with the LOCOST vehicle. The...



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