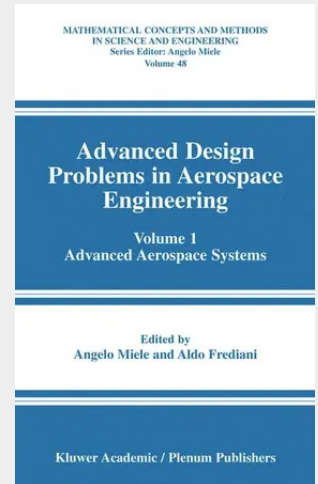


## Advanced Design Problems in Aerospace Engineering

Volume 1: Advanced Aerospace Systems

**Advanced Design Problems in Aerospace Engineering, Volume 1: Advanced Aerospace Systems** presents six authoritative lectures on the use of mathematics in the conceptual design of various types of aircraft and spacecraft. It covers the following topics: design of rocket-powered orbital spacecraft (Miele/Mancuso), design of Moon missions (Miele/Mancuso), design of Mars missions (Miele/Wang), design of an experimental guidance system with a perspective flight path display (Sachs), neighboring vehicle design for a two-stage launch vehicle (Well), and controller design for a flexible aircraft (Hanel/Well). This is a reference book of interest to engineers and scientists working in aerospace engineering and related topics.

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