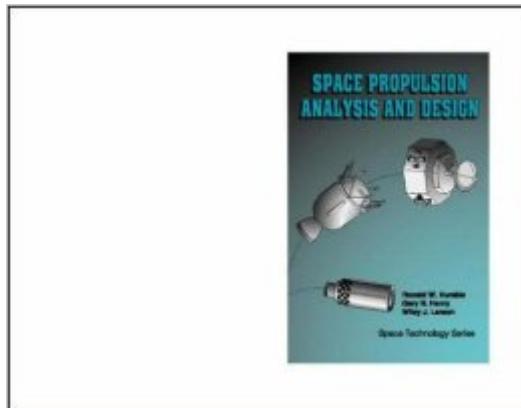


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Space Propulsion Analysis And Design



Synopsis

The only comprehensive text available on space propulsion for students and professionals in aeronautics.

Book Information

Hardcover: 768 pages

Publisher: Learning Solutions; 1 edition (September 1, 1995)

Language: English

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Average Customer Review: 4.2 out of 5 starsÂ See all reviewsÂ (4 customer reviews)

Best Sellers Rank: #226,294 in Books (See Top 100 in Books) #15 in Books > Engineering & Transportation > Engineering > Aerospace > Propulsion Technology #26 in Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction #108 in Books > Textbooks > Engineering > Aeronautical Engineering

Customer Reviews

I'm working in the Aerospace industry and for me there are only two books on the subject that I use for unclassified reference litterature - this book and "Rocket Propulsion Elements" by C. Sutton. This book covers almost everything on the preliminary design level of a rocket propulsion system. Except for the typing errors this book is perfect. And I can surely recommend it for students as well as professionals.

This book is THE definitive work on rocket and space propulsion. Unlike any other textbook on the subject, this text permits you to start with a blank sheet of paper and literally design a propulsion system from the ground up that meets user requirements. You can then assess the overall system performance. Highly recommended. If you are going to purchase any book on this topic - I recommend you start with this one!

This book is excellent for Aerospace Engineering students and engineers alike. Contains plenty of graphs, tables, and "back-of-the-napkin" equations. I wouldn't recommend this so much as a "learning the concepts" text book, as it doesn't always explain the data it is present very well.

However for those already familiar with the topics covered it provides excellent reference.

Il testo analizza tutti i motori per la propulsione spaziale; a propellente liquido (bi e mono), solido, ibrido, a gas freddo, nucleare ed elettrico. Una parte è dedicata anche all'aspetto della missione orbitale e per la specifica missione anche quale tipo di propulsore impiegare. Per quanto riguarda la tematica strettamente motoristica vengono presi in considerazione le problematiche di carattere progettuale senza però entrare nei particolari. Il libro si conferma così "un buon punto di partenza". Personalmente lo consiglio a tutti quelli che volessero "iniziare a saperne di più". La "matematica" dei calcoli NON è a livello "universitario", e la lettura è molto scorrevole. Un'attenzione particolare va rivolta alla bibliografia, dove vengono citati report tecnici della NASA reperibili anche in rete.

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