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Progress in PROPULSION PHYSICS – Vol. 1

Edited by L. DeLuca, C. Bonnal, O. Haidn, S. Frolov

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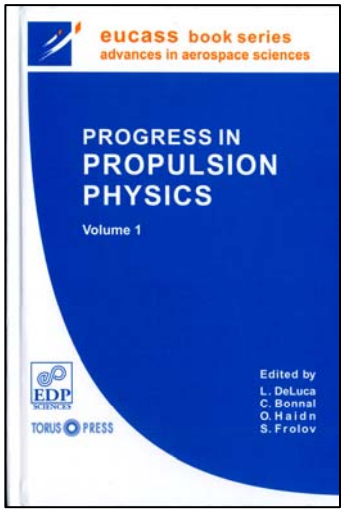

Summary

This book offers a systematic survey of the latest developments by a fine selection of international experts and can be used as a reference by research scientists or practicing engineers in the field of aerospace propulsion.

The volume contains 44 selected, revised and thoroughly edited papers addressing various issues of propulsion physics written by world-known experts. The papers include critical analyses of previous studies and controversial aspects of novel propulsion concepts, new theoretical and experimental results and findings as well as numerous references to archival publications worldwide.

***Luigi T.DeLuca**, professor of Aerospace Propulsion at Politecnico di Milano, Italy, leads the local SPLab labory specialized in combustion and ballistic characterization of energetic materials. He gained 30 years of experience in solid and hybrid rocket propulsion, is a member of the editorial committee of several international journals, and co-edited 8 books in rocket propulsion.*
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***Oskar J.Haidn**, since 1998 Deputy Director Research and Technology of the DLR Institute of Space Propulsion in Lampoldshausen, heads the local Department of Technology whose activities cover all major topics of thrust chamber technologies of liquid propellant rocket engines. He holds several patents in the field and is author and coauthor of more than 150 journal articles and conferences contributions.*
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