

1. Record Nr.	UNINA9911028646803321
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Titolo	Multidisciplinary Design Optimization of Flight Vehicles : Theory and Applications
Pubbl/distr/stampa	Singapore : , : Springer, , 2025 ©2025
ISBN	981-9614-33-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (672 pages)
Collana	Mechanical Engineering (R0) Series
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Disciplina	629.13334
Soggetti	TECHNOLOGY & ENGINEERING / Aeronautics & Astronautics TECHNOLOGY & ENGINEERING / Machinery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book systematically introduced the theory and application of Multidisciplinary Design Optimization (MDO) of flight vehicles. The MDO theory part includes the background, theoretical fundamentals, MDO-oriented modeling, traditional machine learning methods and deep learning-based approximation, sequential approximation modeling, sensitivity.