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Titolo	Reduced-Order Modeling (ROM) for Simulation and Optimization : Powerful Algorithms as Key Enablers for Scientific Computing / / edited by Winfried Keiper, Anja Milde, Stefan Volkwein
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-75319-3
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (184 pages)
Disciplina	511.8
Soggetti	Mathematical models
	Computer-aided engineering
	Automatic control
	Robotics
	Mechatronics
	Energy systems
	Applied mathematics
	Engineering mathematics
	Numerical analysis
	Mathematical Modeling and Industrial Mathematics
	Computer-Aided Engineering (CAD, CAE) and Design
	Control, Robotics, Mechatronics
	Energy Systems
	Applications of Mathematics
	Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This edited monograph collects research contributions and addresses the advancement of efficient numerical procedures in the area of model order reduction (MOR) for simulation, optimization and control. The topical scope includes, but is not limited to, new out-of-the-box

algorithmic solutions for scientific computing, e.g. reduced basis methods for industrial problems and MOR approaches for electrochemical processes. The target audience comprises research experts and practitioners in the field of simulation, optimization and control, but the book may also be beneficial for graduate students alike. .