

1. Record Nr.	UNINA9910437642503321
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Titolo	Model Order Reduction . Volume 2 Snapshot-Based Methods and Algorithms // Peter Benner, Wil Schilders, Stefano Grivet-Talocia, Alfio Quarteroni, Gianluigi Rozza, Luís Miguel Silveira
Pubbl/distr/stampa	Berlin/Boston, : De Gruyter, 2020 Berlin ; ; Boston : , : De Gruyter, , [2020] ©2021
ISBN	3-11-067149-2
Descrizione fisica	1 online resource (VIII, 348 p.)
Collana	Model Order Reduction ; ; Volume 2
Disciplina	515.353
Soggetti	MATHEMATICS / Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Preface to the second volume of Model Order Reduction -- Contents -- 1 Basic ideas and tools for projection-based model reduction of parametric partial differential equations -- 2 Model order reduction by proper orthogonal decomposition -- 3 Proper generalized decomposition -- 4 Reduced basis methods -- 5 Computational bottlenecks for PROMs: precomputation and hyperreduction -- 6 Localized model reduction for parameterized problems -- 7 Data-driven methods for reduced-order modeling -- Index
Sommario/riassunto	An increasing complexity of models used to predict real-world systems leads to the need for algorithms to replace complex models with far simpler ones, while preserving the accuracy of the predictions. This two-volume handbook covers methods as well as applications. This second volume focuses on applications in engineering, biomedical engineering, computational physics and computer science.