

1. Record Nr.	UNISA990001086350203316
Autore	MERZ, Sandro
Titolo	Manuale pratico delle invalidità, : nullità, inesistenza, annullabilità, rescindibilità : nel diritto civile, fallimentare, amministrativo, fiscale e previdenziale; nel processo civile, tributario e amministrativo / Sandro Merz, Paolo Sguotti ; hanno collaborato: Elena Dall'Acqua ...[et al.]
Pubbl/distr/stampa	Padova : Cedam, 2002
ISBN	88-13-23676-X
Descrizione fisica	XLI, 1203 p. ; 24 cm
Disciplina	346.45022
Soggetti	Negozi giuridici - Validità Contratti - Validità
Collocazione	XXV.1.H 72 (IG XVI 387)
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910254078703321
Autore	Quarteroni Alfio
Titolo	Reduced Basis Methods for Partial Differential Equations : An Introduction // by Alfio Quarteroni, Andrea Manzoni, Federico Negri
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-15431-1
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XI, 296 p.)
Collana	La Matematica per il 3+2, , 2038-5722 ; ; 92
Disciplina	515.353
Soggetti	Differential equations, Partial Mathematical models Applied mathematics Engineering mathematics Fluid mechanics Partial Differential Equations Mathematical Modeling and Industrial Mathematics Mathematical and Computational Engineering Engineering Fluid Dynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (pages 281-292) and index.
Nota di contenuto	1 Introduction -- 2 Representative problems: analysis and (high-fidelity) approximation -- 3 Getting parameters into play -- 4 RB method: basic principle, basic properties -- 5 Construction of reduced basis spaces -- 6 Algebraic and geometrical structure -- 7 RB method in actions -- 8 Extension to nonaffine problems -- 9 Extension to nonlinear problems -- 10 Reduction and control: a natural interplay -- 11 Further extensions -- 12 Appendix A Elements of functional analysis.
Sommario/riassunto	This book provides a basic introduction to reduced basis (RB) methods for problems involving the repeated solution of partial differential equations (PDEs) arising from engineering and applied sciences, such as PDEs depending on several parameters and PDE-constrained optimization. The book presents a general mathematical formulation of RB methods, analyzes their fundamental theoretical properties,

discusses the related algorithmic and implementation aspects, and highlights their built-in algebraic and geometric structures. More specifically, the authors discuss alternative strategies for constructing accurate RB spaces using greedy algorithms and proper orthogonal decomposition techniques, investigate their approximation properties and analyze offline-online decomposition strategies aimed at the reduction of computational complexity. Furthermore, they carry out both a priori and a posteriori error analysis. The whole mathematical presentation is made more stimulating by the use of representative examples of applicative interest in the context of both linear and nonlinear PDEs. Moreover, the inclusion of many pseudocodes allows the reader to easily implement the algorithms illustrated throughout the text. The book will be ideal for upper undergraduate students and, more generally, people interested in scientific computing.

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