1. Record Nr. UNIPARTHENOPE000020300

Autore	Srivastava, A.
Titolo	Some time discretization treatment of parabolic equations : rapporto 86/2 : giugno 1986 / A. Srivastava and S. L. Paveri-Fontana
Pubbl/distr/stampa	Napoli : Istituto universitario navale. Istituto di matematica. Facoltà di scienze nautiche, [1986]
Titolo uniforme	Some time discretization treatment of parabolic equations
Descrizione fisica	297 p. : ill. ; 30 cm
Altri autori (Persone)	Paveri-Fontana, S. L.
Disciplina	515.353
Collocazione	M 515.353/39
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In testa al front.: Revised version of the report "Numarical methods for parabolic equation" by A. Srivastava and S. L. Paveri-Fontana (RApporto 84/1, Istituto di matematica, Facoltà di scienze nautiche, I. U. N., Napoli, Italy)

2. Record Nr. UNISOBE600200014870

Titolo	8: Europe / Timothy Rice, James Porter, Chris Goertzen Editors
Pubbl/distr/stampa	New York ; London : Garland Publishing, Inc., 2000
ISBN	0824060342
Descrizione fisica	XXIX, 1144 p. : ill. ; 29 cm. + 1 CD Digital Audio
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Tit. del CD: Selected audio examples

3. Record Nr. UNINA9910254064203321

Autore	Heiliö Matti
Titolo	Mathematical Modelling / / by Matti Heiliö, Timo Lähivaara, Erkki Laitinen, Timo Mantere, Jorma Merikoski, Seppo Pohjolainen, Kimmo Raivio, Risto Silvennoinen, Antti Suutala, Tanja Tarvainen, Timo Tiihonen, Jukka Tuomela, Esko Turunen, Marko Vauhkonen ; edited by Seppo Pohjolainen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-27836-3
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XI, 242 p. 56 illus., 13 illus. in color.)
Disciplina	511.8
Soggetti	Mathematical models Applied mathematics Engineering mathematics Computer science - Mathematics Computer simulation Mathematical Modeling and Industrial Mathematics Mathematical and Computational Engineering Computational Science and Engineering Simulation and Modeling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di contenuto	1 Introduction by S. Pohjolainen and M. Heiliö -- 2 Models and Applications by M. Heiliö -- 3 Viewpoints on Systems and Models by E. Laitinen -- 4 Integer Models by R. Silvennoinen and J. Merikoski -- 5 Data Based Models by J. Merikoski et al -- 6 Soft Computing Methods by E. Turunen et al -- 7 Dimensional Analysis by T. Tiihonen -- 8 Modelling With Differential Equations by J. Tuomela -- 9 Continuum Models by T. Tiihonen -- 10 Simplification of Models by T. Tiihonen -- 11 Acoustic Modelling by S. Pohjolainen and A. Suutala -- 12 Inverse Problems by M. Vauhkonen et al -- 13 Project Titles by M. Heiliö. .
Sommario/riassunto	This book provides a thorough introduction to the challenge of applying mathematics in real-world scenarios. Modelling tasks rarely involve well-defined categories, and they often require multidisciplinary input from mathematics, physics, computer sciences, or engineering. In keeping with this spirit of modelling, the book includes a wealth of cross-references between the chapters and frequently points to the real-world context. The book combines classical approaches to modelling with novel areas such as soft computing methods, inverse problems, and model uncertainty. Attention is also paid to the interaction between models, data and the use of mathematical software. The reader will find a broad selection of theoretical tools for practicing industrial mathematics, including the analysis of continuum models, probabilistic and discrete phenomena, and asymptotic and sensitivity analysis. .