1. Record Nr. UNINA9910300660303321

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Titolo	Numerical Methods using MATLAB / / by Abhishek Gupta
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2014
ISBN	9781484201541 148420154X
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (147 p.)
Collana	MATLAB solutions series Numerical methods using MATLAB
Disciplina	518.0285/536
Soggetti	Programming languages (Electronic computers) Computer programming Programming Languages, Compilers, Interpreters Programming Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1: Introduction to MATLAB -- Chapter 2: Matrix representation, operations and vectorization -- Chapter 3: Numerical techniques -- Chapter 4: Visualization -- Chapter 5: Introduction to simulation -- Chapter 6: Monte Carlo simulations -- Chapter 7: Optimization -- Chapter 8: Evolutionary computations -- Chapter 9: Regression and model fitting -- Chapter 10: Differential equations and system dynamics.
Sommario/riassunto	Numerical Methods with MATLAB provides a highly-practical reference work to assist anyone working with numerical methods. A wide range of techniques are introduced, their merits discussed and fully working MATLAB code samples supplied to demonstrate how they can be coded and applied. Numerical methods have wide applicability across many scientific, mathematical, and engineering disciplines and are most often employed in situations where working out an exact answer to the problem by another method is impractical. Numerical Methods with MATLAB presents each topic in a concise and readable format to help you learn fast and effectively. It is not intended to be a reference work to the conceptual theory that underpins the numerical methods themselves. A wide range of reference works are readily available to supply this information. If, however, you want assistance in applying

		numerical methods then this is the book for you.

2.	Record Nr.	UNINA9910483483603321
	Titolo	Advanced Functional Programming : 5th International School, AFP 2004, Tartu, Estonia, August 14-21, 2004, Revised Lectures / / edited by Varmo Vene, Tarmo Uustalu
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
	Edizione	[1st ed. 2005.]
	Descrizione fisica	1 online resource (X, 362 p.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3622
	Altri autori (Persone)	VeneVarmo UustaluTarmo
	Disciplina	005.1/14
	Soggetti	Computer programming Software engineering Compilers (Computer programs) Programming Techniques Software Engineering Compilers and Interpreters
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Typing Haskell with an Attribute Grammar -- Programming with Arrows -- Epigram: Practical Programming with Dependent Types -- Combining Datatypes and Effects -- GEC: A Toolkit for Generic Rapid Prototyping of Type Safe Interactive Applications -- A Functional Shell That Operates on Typed and Compiled Applications -- Declarative Debugging with Buddha -- Server-Side Web Programming in WASH -- Refactoring Functional Programs.
	Sommario/riassunto	This volume contains the revised lecture notes corresponding to nine of the lecturecoursespresentedatthe5thInternationalSchoolonAdvancedFunctional Programming, AFP 2004, held in Tartu, Estonia, August 14-21, 2004. The goal of the AFP schools is to inform the wide international

communities of computer science students and software production professionals about the new and important developments in the area of functional programming. The schools put a special emphasis on practical applications of advanced techniques. The Tartu school was preceded by four earlier schools in B? astad, Sweden (1995, LNCS 925), Olympia, WA, USA (1996, LNCS 1129), Braga, Portugal (1998, LNCS 1608) and Oxford, UK (2002, LNCS 2638). The scienti'c programme of AFP 2004 consisted of ?ve preparatory ("- termediate") courses, given by John Hughes (Chalmers University of Techn- ogy, Goteb ¨ org, Sweden), Doaitse Swierstra (Universiteit Utrecht, The Neth- lands) andRinusPlasmeijer(RadboudUniversiteitNijmegen,TheNetherlands), and nine regular ("advanced") courses, presented by Atze Dijkstra (Universiteit Utrecht, The Netherlands), Doaitse Swierstra, John Hughes, Conor McBride (University of Nottingham, UK), Alberto Pardo (Universidade de la Republica, ´ Montevideo, Uruguay), Rinus Plasmeijer, Bernard Pope (University of M- bourne, Australia), Peter Thiemann (Universit¨ at Freiburg, Germany), and - mon Thompson (University of Kent, UK). There was also a student session. The school attracted a record number of 68 participants from 16 countries (inclusive of the lecturers and organizers).