1. Record Nr. UNINA990000030690403321

Autore	Guerra, Guido
Titolo	Statica e tecnica costruttiva delle cupole antiche e moderne / Guido Guerra
Pubbl/distr/stampa	Napoli : Istituto di architettura tecnica, 1958
Descrizione fisica	109, 29 p. : ill. ; 30 cm
Disciplina	721.5
Locazione	FINBC DINED
Collocazione	13 D 47 09 08 BB 297 08 BB 298 08 BB 299 08 BB 300 08 BB 301 08 BB 302 08 BB 303 08 BB 304 08 BB 305 08 BB 306 08 BB 307 08 BB 308 08 BB 309 08 BB 310 08 BB 311 08 BB 312 08 BB 313 08 BB 314 08 BB 315 08 BB 316 08 BB 317 08 BB 318 08 BB 319 08 BB 320 08 BB 321 08 BB 322

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	Lingua di pubblicazione	Italiano
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	Livello bibliografico	Monografia
	Note generali	In appendice : Considerazioni sull'arte del progettare
2.	Record Nr.	UNINA9910460739403321
	Autore	Edsberg Lennart <1946->
	Titolo	Introduction to computation and modeling for differential equations / / Lennart Edsberg
	Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2016 ©2016
	ISBN	1-119-01846-3 1-119-01845-5
	Edizione	[Second edition.]
	Descrizione fisica	1 online resource (328 p.)
	Disciplina	515/.350285
	Soggetti	Differential equations - Data processing Mathematical models Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
	Nota di contenuto	""Title Page""; ""Copyright""; ""Table of Contents""; ""Preface""; ""Chapter 1: Introduction""; ""1.1 What is a Differential Equation?""; ""1.2 Examples of an ordinary and a partial differential equation""; ""1.3 Numerical analysis, a necessity for scientific computing""; ""1.4 Outline of the contents of this book""; ""Bibliography""; ""Chapter 2: Ordinary Differential Equations""; ""2.1 Problem Classification""; ""2.2 Linear Systems of Odes With Constant Coefficients""; ""2.3 Some Stability Concepts For Ode""; ""2.4 Some ode models in science and

engineering""
""2.5 Some Examples From Applications""""""Bibliography""; ""Chapter 3: Numerical Methods For Initial Value Problems""; ""3.1 Graphical Representation Of Solutions""; ""3.2 Basic Principles Of Numerical Approximation Of ODE""; ""3.3 Numerical Solution Of IVP with euler' method""; ""3.4 Higher order methods for the IVP""; ""3.5 Special Methods For Special Problems""; ""3.6 The Variational Equation And Parameter Fitting In IVP""; ""Bibliography""; ""Chapter 4: Numerical methods for boundary value problems""; ""4.1 Applications""; ""4.2 Difference methods for BVP""; ""4.3 Ansatz methods for BVP""
""Bibliography""""""Chapter 5: Partial differential equations""; ""5.1 Classical PDE problems""; ""5.2 Differential operators used for PDEs""; ""5.3 Some PDE in science and engineering""; ""5.4 Initial and boundary conditions for PDE""; ""5.5 Numerical solution of PDEs, some general comments""; ""Bibliography""; ""Chapter 6: Numerical Methods for Parabolic Partial Differential Equations""; ""6.1 Applications""; ""6.2 An introductory example of discretization""; ""6.3 THE METHOD OF LINES FOR PARABOLIC PDEs""; ""6.4 Generalizations of the heat equation""
""6.5 Ansatz methods for the model equation""""""Bibliography""; ""Chapter 7: Numerical methods for elliptic partial differential equations""; ""7.1 Applications""; ""7.2 The finite difference method""; ""7.3 Discretization of a problem with different BCs""; ""7.4 ANSATZ Methods For Elliptic PDE""; ""Bibliography""; ""Chapter 8: Numerical methods for hyperbolic PDE""; ""8.1 Applications""; ""8.2 Numerical solution of hyperbolic PDE""; ""8.3 The Finite Volume Method""; ""8.4 Some examples of stability analysis for hyperbolic PDE"";
""Bibliography""
""Chapter 9: Mathematical Modeling with Differential Equations""""""9.1 NATURE LAWS""; ""9.2 CONSTITUTIVE EQUATIONS""; ""9.3 CONSERVATIVE EQUATIONS""; ""9.4 SCALING OF DIFFERENTIAL EQUATIONS TO DIMENSIONLESS FORM""; ""Chapter 10: Applied Projects On Differential Equations""; ""Appendix A: Some Numerical and Mathematical Tools""; ""A.1 Newton's Method for Systems of Nonlinear Algebraic Equations""; ""A.2 Some Facts about Linear Difference Equations""; ""A.3 Derivation of Difference Approximations"";
""Bibliography""; ""A.4 THE INTERPRETATIONS OF GRAD, DIV, AND CURL""
""A.5 NUMERICAL SOLUTION OF ALGEBRAIC SYSTEMS OF EQUATIONS""