1. Record Nr. UNINA9910823161303321

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Titolo	Solutions Manual to Accompany an Introduction to Numerical Methods and Analysis
Pubbl/distr/stampa	Somerset : , : John Wiley & Sons, Incorporated, , 2013 ©2014
ISBN	9781118552131 9781118789377
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (319 pages)
Disciplina	518
Soggetti	Numerical analysis -- Handbooks, manuals, etc Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Sommario/riassunto

A solutions manual to accompany An Introduction to Numerical Methods and Analysis, Second Edition An Introduction to Numerical Methods and Analysis, Second Edition reflects the latest trends in the field, includes new material and revised exercises, and offers a unique emphasis on applications. The author clearly explains how to both construct and evaluate approximations for accuracy and performance, which are key skills in a variety of fields. A wide range of higher-level methods and solutions, including new topics such as the roots of polynomials, spectral collocation, finite element ideas, and Clenshaw-Curtis quadrature, are presented from an introductory perspective, and theSecond Edition also features: Chapters and sections that begin with

basic, elementary material followed by gradual coverage of more advanced material Exercises ranging from simple hand computations to challenging derivations and minor proofs to programming exercises Widespread exposure and utilization of MATLAB® An appendix that contains proofs of various theorems and other material.