1. Record Nr. UNICAMPANIASUN0059107

Titolo	Earthquake engineering : from engineering seismology to performance-based engineering / edited by Yousef Bozorgnia and Vitelmo Bertero
Pubbl/distr/stampa	Boca Raton, Florida [etc.], : CRC, 2004
ISBN	08-493-1439-9
Descrizione fisica	1 v. (paginazione varia) ; 26 cm.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910815000103321

Autore	McBain G. D (Geordie G.)
Titolo	Theory of lift : introductory computational aerodynamics in MATLAB/OCTAVE / / G.D. McBain
Pubbl/distr/stampa	Chichester, U.K., : Wiley, 2012
ISBN	1-280-67890-9 9786613655837 1-118-34627-0 1-118-34616-5 1-118-34629-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (343 p.)
Collana	Aerospace series
Classificazione	TEC002000
Disciplina	629.132/33028553
Soggetti	Lift (Aerodynamics) - Mathematical models Aerodynamics - Data processing
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 and index.
Nota di contenuto	pt. 1. Plane ideal aerodynamics -- pt. 2. Three-dimensional ideal aerodynamics -- pt. 3. Nonideal flow in aerodynamics.
Sommario/riassunto	"Accessible introduction to aerodynamics using a unique computational

approach based on widely available MATLAB software tools. Based on the author's years of experience teaching aerodynamics to students, he has developed an approach combining the use of widely available MATLAB commercial code (also compatible with Octave GNU open source code) with clear narrative explanations of the concepts that simplifies the understanding of aerodynamics without sacrificing the mathematical underpinnings or leaving the reader overwhelmed with complex formulas. The ability of the reader to download and run the code examples makes this an ideal self-learning tool, as well as a valuable course text.The choice of compatible MATLAB/Octave code ensures anyone can run the examples - either using open-source GNU Octave software as many consultancies and small firms do, or using the MATLAB commercial application (including the student edition) which is used widely in industry and is almost ubiquitous in academia. The code has been carefully compiled and checked for compatibility with both applications"--