

1. Record Nr.	UNINA9910815561803321
Autore	Richards Keith L.
Titolo	Design engineer's reference guide : mathematics, mechanics, and thermodynamics // Keith L. Richards
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , [2014] ©2014
ISBN	0-429-16844-6 1-5231-0769-3 1-4665-9286-9
Descrizione fisica	1 online resource (350 p.)
Disciplina	620.0042015118
Soggetti	Engineering design - Mathematical models Industrial design
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.
Nota di contenuto	Front Cover; Contents; Preface; Author; Acknowledgement; Chapter 1: Mathematics; Chapter 2: Introduction to Numerical Methods; Chapter 3: Properties of Sections and Figures; Chapter 4: Statics; Chapter 5: Dynamics; Chapter 6: Mechanical Vibrations; Chapter 7: Introduction to Control Systems Modelling; Chapter 8: Heat and Temperature; Chapter 9: Thermodynamic Basics; Chapter 10: Fluid Mechanics; Chapter 11: Introduction to Linkages; Back Cover
Sommario/riassunto	Author Keith L. Richards believes that design engineers spend only a small fraction of time actually designing and drawing, and the remainder of their time finding relevant design information for a specific method or problem. He draws on his own experience as a mechanical engineering designer to offer assistance to other practicing and student engineers facing the same struggle. Design Engineer's Reference Guide: Mathematics, Mechanics, and Thermodynamics provides engineers with a roadmap for navigating through common situations or dilemmas. This book starts o