

1. Record Nr.	UNINA9910782891803321
Autore	Kothandaraman C. P
Titolo	Fluid mechanics and machinery [[electronic resource] /] / C. P. Kothandaraman, R. Rudamoorthy
Pubbl/distr/stampa	New Delhi, : New Age International (P) Ltd., Publishers, c2006
ISBN	1-282-07405-9 9786612074059 81-224-2558-5
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (615 p.)
Altri autori (Persone)	RudramoorthyR
Disciplina	620.106
Soggetti	Fluid mechanics Hydraulic machinery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Preface to the Second Edition; Preface to the First Edition; Contents; Chapter 1 Physical Properties of Fluids; Chapter 2 Pressure Distribution in Fluids; Chapter 3 Forces on Surfaces Immersed in Fluids; Chapter 4 Buoyancy Forces and Stability of Floating Bodies; Chapter 5 Fluid Flow-Basic Concepts-Hydrodynamics; Chapter 6 Bernoulli Equation and Applications; Chapter 7 Flow in Closed Conduits (Pipes); Chapter 8 Dimensional Analysis; Chapter 9 Similitude and Model Testing; Chapter 10 Boundary Layer Theory and Flow Over Surfaces; Chapter 11 Flow Measurements Chapter 12 Flow in Open ChannelsChapter 13 Dynamics of Fluid Flow; Chapter 14 Hydraulic Turbines; Chapter 15 Rotodynamic Pumps; Chapter 16 Reciprocating Pumps; Appendix; Index
Sommario/riassunto	About the Book: The text provides the following: Guidance in building of physical and mathematical models. Numerical examples for each of the equations derived numbering more than 100. Sketches and illustrations numbering more than 200. Solved problems to highlight whole spectrum of applications numbering more than 400. Objective questions for self evaluation numbering more than 700. Graded problems for exercise mostly with answers, numbering more than 450. Stress on validation of numerical results by counter checking.

