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Autore	BALIGA, B. Jayant
Titolo	Fundamentals of power semiconductor devices / B. Jayant Baliga
Pubbl/distr/stampa	Raleigh : Springer, copyr. 2008
ISBN	978-0-387-47313-0
Descrizione fisica	XXIII, 1069 p. : ill. ; 24 cm
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Soggetti	Semiconduttori
Collocazione	621.381 BAL 1 621.381 BAL 1 a
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Autore	von Mises Richard
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (870 p.)
Collana	Dover Civil and Mechanical Engineering
Altri autori (Persone)	GeiringerHilda <1893-1973.> LudfordG. S. S
Disciplina	532/.58
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Nota di contenuto	Title Page; Copyright Page; PREFACE; Table of Contents; CHAPTER I - INTRODUCTION; Article 1 - The Three Basic Equations; Article 2 - Energy Equation. Bernoulli Equation; Article 3 - Influence of Viscosity. Heat Conduction; Article 4 - Sound Velocity. Wave Equation; Article 5 - Subsonic and Supersonic Motion. Mach Number, Mach Lines; CHAPTER II - GENERAL THEOREMS; Article 6 - Vortex Theory of Helmholtz and Kelvin1; Article 7 - Irrotational Motion15; Article 8 - Steady Flow Relations; Article 9 - Theory of Characteristics Article 10 - The Characteristics in the Case of Two Independent VariablesCHAPTER III - ONE-DIMENSIONAL FLOW; Article 11 - Steady Flow with Viscosity and Heat Conduction; Article 12 - Nonsteady Flow of an Ideal Fluid12; Article 13 - Simple Waves. Examples; Article 14 - Theory of Shock Phenomena; Article 15 - Further Shock Problems; CHAPTER IV - PLANE STEADY POTENTIAL FLOW; Article 16 - Basic Relations; Article 17 - Further Discussion of the Hodograph Method; Article 18 - Simple Waves; Article 19 - Limit Lines and Branch Lines; Article 20 - Chaplygin's Hodograph Method CHAPTER V - INTEGRATION THEORY AND SHOCKSArticle 21 - Development of Chaplygin's Method; Article 22 - Shock Theory; Article 23 - Examples Involving Shocks; Article 24 - Nonisentropic Flow; Article 25 - Transonic Flow; NOTES AND ADDENDA; SELECTED REFERENCE BOOKS; AUTHOR INDEX; SUBJECT INDEX
Sommario/riassunto	A pioneer in the fields of statistics and probability theory, Richard von Mises (1883-1953) made notable advances in boundary-layer-flow theory and airfoil design. This text on compressible flow, unfinished upon his sudden death, was subsequently completed in accordance with his plans, and von Mises' first three chapters were augmented with a survey of the theory of steady plane flow. Suitable as a text for advanced undergraduate and graduate students - as well as a reference for professionals - Mathematical Theory of Compressible Fluid Flow examines the fundamentals of high-speed flows, with