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Descrizione fisica	1 online resource (XIV, 279 p. 21 illus.)
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Soggetti	Fluid mechanics Fluids Engineering Fluid Dynamics Fluid- and Aerodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Vectors and Tensors -- Fundamental Equations -- Basic Fluid Dynamics -- Waves in Fluids -- Magnetohydrodynamics (MHD) -- MHD Stability Theory.
Sommario/riassunto	This book is primarily intended to enable postgraduate research students to enhance their understanding and expertise in Fluid Mechanics and Magnetohydrodynamics (MHD), subjects no longer treated in isolation. The exercises throughout the book often serve to provide additional and quite significant knowledge or to develop selected mathematical skills, and may also fill in certain details or enhance readers' understanding of essential concepts. A previous background or some preliminary reading in either of the two core subjects would be advantageous, and prior knowledge of multivariate calculus and differential equations is expected.