

1. Record Nr.	UNINA9910254596403321
Autore	Zeytounian R.Kh
Titolo	Challenges in Fluid Dynamics : A New Approach / / by R.Kh. Zeytounian
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-31619-2
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXVI, 230 p. 38 illus.)
Disciplina	600.09
Soggetti	Technology—History Fluid mechanics Differential equations, Partial Mathematical physics History of Technology Engineering Fluid Dynamics Partial Differential Equations Mathematical Applications in the Physical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Classical Analytical -Asymptotics Newtonian -- Deconstruction/ RAM/ Simulation -- Various Fluid Dynamics Working Models.
Sommario/riassunto	This monograph presents a synopsis of fluid dynamics based on the personal scientific experience of the author who has contributed immensely to the field. The interested reader will also benefit from the general historical context in which the material is presented in the book. The book covers a wide range of relevant topics of the field, and the main tool being rational asymptotic modelling (RAM) approach. The target audience primarily comprises experts in the field of fluid dynamics, but the book may also be beneficial for graduate students.