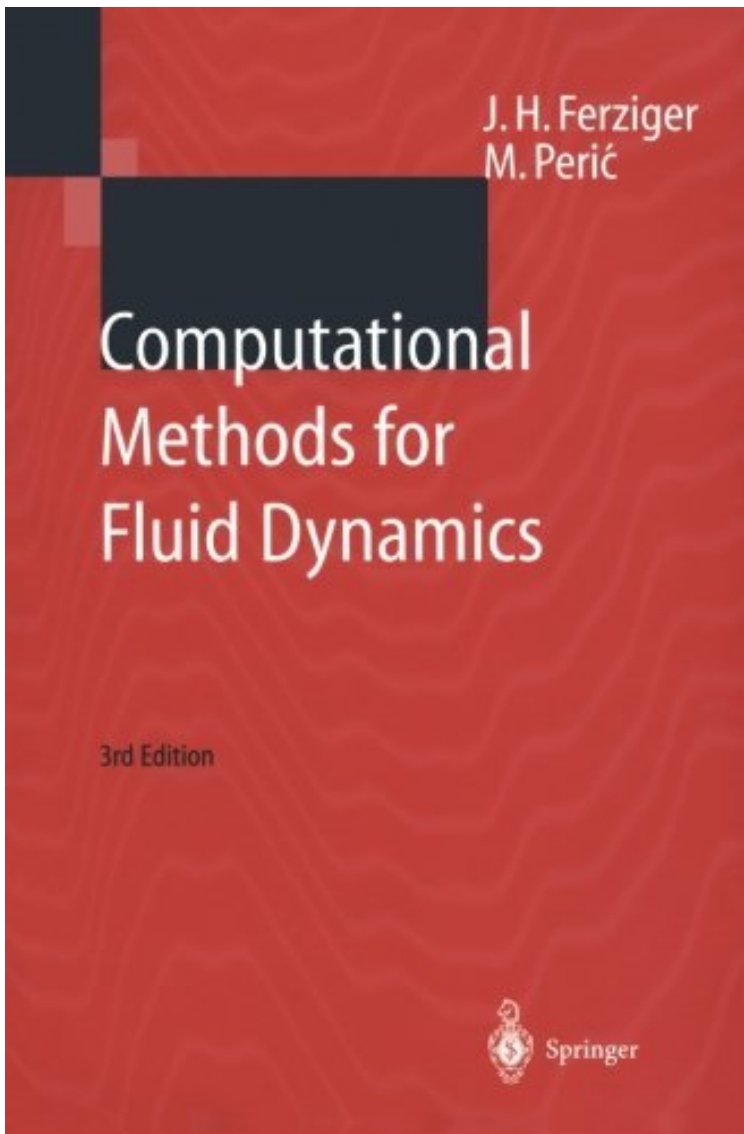


(Online library) File size: 16.Mb

Computational Methods for Fluid Dynamics



*Par Joel H. Ferziger, Milovan Peric
ebooks | Download PDF | *ePub | DOC
| audiobook*

Dtails sur le produit Rang parmi les ventes : #1061390 dans eBooksPubli le: 2013-10-04Sorti le: 1997-08-14Format: Ebook Kindle

(Online library) Computational Methods for Fluid Dynamics

Par Joel H. Ferziger, Milovan Peric :
Computational Methods for Fluid Dynamics before purchasing it in order to gage whether or not it would be worth my time, and all praised Computational Methods for Fluid Dynamics:

Download

Read Online

Description :

Prsentation de l'diteurIn its third revised and extended edition the book offers an overview of the techniques used to solve problems in fluid mechanics on computers. The authors describe in detail the most often used techniques. Included are advanced techniques in computational fluid dynamics, such as direct and large-eddy simulation of turbulence. Moreover, a new section deals with grid quality and an extended description of discretization methods has also been included. Common roots and basic principles for many apparently different methods are explained. The book also contains a great deal of practical advice for code developers and users.Revue de presse"This book, primarily oriented towards industrial applications, intends to provide engineers with the necessary background to use and understand commercial fluid dynamics modeling codes or, alternatively, to develop their own. In summary, this text, which is commendable for its excellent plain

English and pedagogic qualities, constitutes an excellent introduction to the world of computational fluid dynamics and will proudly find its place on the shelf besides more classical reference textbooks." --Michael Crucifix, *Physicalia*, Vol. 25 (2), 2003 "In reviewer's opinion, the book is a mixture of surveys and detailed discussions, the latter reflecting the experience of the authors. Thus the book is valuable for the beginners and also for the specialists." --Willi Schnauer, *Zentralblatt MATH*, Vol. 998, 2002 "In its 3rd revised and extended edition the book offers an overview of the techniques used to solve problems in fluid mechanics on computers and describes in detail those most often used in practice. The book also contains a great deal of practical advice for code developers and users, it is designed to be equally useful to beginners and experts. A full-feature user-friendly demo-version of a commercial CFD software has been added ." --ETDE Energy Database, January, 2002 Presentation de l'éditeur In its third revised and extended edition the book offers an overview of the techniques used to solve problems in fluid mechanics on computers. The authors describe in detail the most often used techniques. Included are advanced techniques in computational fluid dynamics, such as direct and large-eddy simulation of turbulence. Moreover, a new section deals with grid quality and an extended description of discretization methods has also been included. Common roots and basic principles for many apparently different methods are explained. The book also contains a great deal of practical advice for code developers and users.