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Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2009
ISBN	1-282-44289-9 9786612442896 981-283-785-X
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Collana	Lecture notes series / National University of Singapore. Institute for Mathematical Sciences, , 1793-0758 ; ; 17
Altri autori (Persone)	KhooBoo Cheong <1958-> LiZhilin <1956-> LinPing <1963->
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Soggetti	Interfaces (Physical sciences) - Mathematics Fluid dynamics - Mathematics Electronic books.
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di contenuto	Foreword; Preface; CONTENTS; An Introduction to the Immersed Boundary and the Immersed Interface Methods Robert H. Dillon and Zhilin Li; 1. Introduction; Part I AN INTRODUCTION TO THE IMMERSED BOUNDARY METHOD; 2. Overview of Immersed Boundary Method; 3. Some Applications of the IB Method; 4. Some Technical Issues of the IB Method; Part II A TUTORIAL OF THE IMMERSED INTERFACE METHOD; 5. The Immersed Interface Method for Elliptic Interface Problems; 6. The Augmented Immersed Interface Method and Applications; 7. Simplifying the Immersed Interface Method by Removing Source Singularities 8. The Immersed Interface Method Using Finite Element Formulations9. The IIM for Free Boundary or Moving Interface Problems; 10. Acknowledgements; References; Lecture Notes on Nonlinear Tumor Growth: Modeling and Simulation John S. Lowengrub, Vittorio Cristini, Hermann B. Frieboes, Xiangrong Li, Paul Macklin, Sandeep Sanga, Steven M. Wise and Xiaoming Zheng; 0. Introduction; 1. Tumor Growth in Homogeneous Tissuea; 1.1. Overview; 1.2. Discrete modeling; 1.3.

Continuum modeling; 1.4. Regimes of growth; 1.5. Comparison with experiment; 1.6. Linear analysis; 1.7. Nonlinear results  
2. Tumor Growth in Heterogeneous Tissueb2.1. Overview; 2.2. Governing equations; 2.3. Nonlinear results; 3. Tumor Growth and Neovascularizationc; 3.1. Overview; 3.2. The model; 3.3. Nonlinear results; 4. Conclusion and Future Research Directions; References;  
Progress in Modeling Pulsed Detonations Frank K. Lu and R. Bellini; 1. Introduction and Literature Review; 2. Overview of Early Studies in Detonations; 2.1. Structure of detonation waves; 3. Review of Numerical Simulation of Pulse Detonation Engines; 3.1. Detonation initiation; 3.2. Detonation stability; 3.3. Numerics and algorithms  
3.5. Turbulence modeling3.6. Chemical kinetics; 4. The Governing Equations; 5. Numerical Method; 5.1. Local ignition averaging method; 6. Numerical Simulations of Pulse Detonations; 6.1. One-dimensional detonation wave propagation; 6.2. Detonation wave propagation through an area enlargement; 7. Outlook and Conclusions; Acknowledgments; References; Direct Numerical Simulations of Multiphase Flows Gr etar Tryggvason and Jiakai Lu; 1. Introduction; 2. Governing Equations; 3. Numerical Method; 4. Results; 5. Conclusions; Acknowledgments; References

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Sommario/riassunto

This volume showcases lecture notes collected from tutorials presented at the Workshop on Moving Interface Problems and Applications in Fluid Dynamics that was held between January 8 and March 31, 2007 at the Institute for Mathematical Sciences, National University of Singapore. As part of the program, these tutorials were conducted by specialists within their respective areas such as Robert Dillon, Zhilin Li, John Lowengrub, Frank Lu and Gretar Tryggvason. The topics in the program encompass modeling and simulations of biological flow coupled to deformable tissue/elastic structure, shock wave

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2. Record Nr.	UNISA996390877703316
Titolo	The Noble fisher-man, or, Robin Hoods preferment [[electronic resource] ] : shewing how he won a prize on the sea, and how he gave one half to his dame, and the other to the building of alms-houses : the tune is In summer time
Pubbl/distr/stampa	[London], : Printed for F. Coles, T. Vere, and W. Gilbertson, [between 1658 and 1664]
Descrizione fisica	1 sheet ([1] p.) : ill
Soggetti	Ballads, English - 17th century Broadside17th century.London (England)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Contains three illustrations. Place and date of publication from Wing (2nd ed.). Reproduction of original in the Bodleian Library.
Sommario/riassunto	eebo-0014