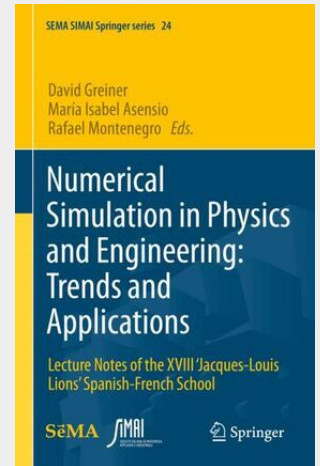


Numerical Simulation in Physics and Engineering: Trends and Applications

Lecture Notes of the XVIII Jacques-Louis Lions Spanish-French School

This book results from the XVIII Spanish-French School 'Jacques Louis Lions' on Numerical Simulation in Physics and Engineering, that took place in Las Palmas de Gran Canaria from 25th to 29th June 2018. These conferences are held biennially since 1984 and sponsored by the Spanish Society of Applied Mathematics (SEMA). They also have the sponsorship of the Société de Mathématiques Appliquées et Industrielles (SMAI) of France since 2008. Each edition is organized around several main courses and talks delivered by renowned French/Spanish scientists. This volume is highly recommended to graduate students in Engineering or Science who want to focus on numerical simulation, either as a research topic or in the field of industrial applications. It can also benefit senior researchers and technicians working in industry who are interested in the use of state-of-the-art numerical techniques. Moreover, the book can be used as a textbook for master courses in Mathematics, Physics, or Engineering.

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53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030625429

Medium: Buch

ISBN: 978-3-030-62542-9

Verlag: Springer International Publishing

Erscheinungstermin: 02.04.2021

Sprache(n): Englisch

Auflage: 1. Auflage 2021

Serie: SEMA SIMAI Springer Series

Produktform: Gebunden

Gewicht: 471 g

Seiten: 189

Format (B x H): 160 x 241 mm

