

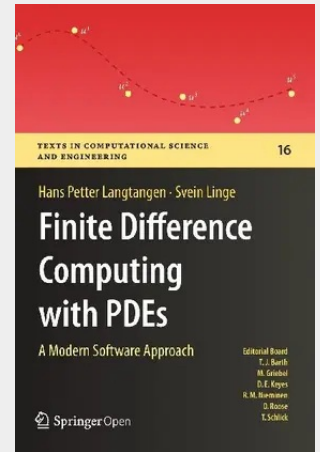
Finite Difference Computing with PDEs

A Modern Software Approach

This book is open access under a CC BY 4.0 license.

This easy-to-read book introduces the basics of solving partial differential equations by means of finite difference methods. Unlike many of the traditional academic works on the topic, this book was written for practitioners. Accordingly, it especially addresses: the construction of finite difference schemes, formulation and implementation of algorithms, verification of implementations, analyses of physical behavior as implied by the numerical solutions, and how to apply the methods and software to solve problems in the fields of physics and biology.

This book is open access under a CC BY 4.0 license. This easy-to-read book introduces the basics of solving partial differential equations by means of finite difference methods. Unlike many of the traditional academic works on the topic, this book was written for practitioners. Accordingly, it especially addresses: the construction of finite difference schemes, formulation and implementation of algorithms, verification of implementations, analyses of physical behavior as implied by the numerical solutions, and how to apply the methods and software to solve problems in the fields of physics and biology.



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319554556
Medium: Buch
ISBN: 978-3-319-55455-6
Verlag: Springer
Erscheinungstermin: 07.07.2017
Sprache(n): Englisch
Auflage: 1. Auflage 2017
Serie: Texts in Computational Science and Engineering
Produktform: Gebunden
Gewicht: 11342 g
Seiten: 507
Format (B x H): 183 x 260 mm

