



Adaptive Multilevel Solution of Nonlinear Parabolic PDE Systems

By Lang, Jens

Book Condition: New. Publisher/Verlag: Springer, Berlin | Theory, Algorithm, and Applications | Nowadays there is an increasing emphasis on all aspects of adaptively generating a grid that evolves with the solution of a PDE. Another challenge is to develop efficient higher-order one-step integration methods which can handle very stiff equations and which allow us to accommodate a spatial grid in each time step without any specific difficulties. In this monograph a combination of both error-controlled grid refinement and one-step methods of Rosenbrock-type is presented. It is my intention to impart the beauty and complexity found in the theoretical investigation of the adaptive algorithm proposed here, in its realization and in solving non-trivial complex problems. I hope that this method will find many more interesting applications. Berlin-Dahlem, May 2000 Jens Lang Acknowledgements I have looked forward to writing this section since it is a pleasure for me to thank all friends who made this work possible and provided valuable input. I would like to express my gratitude to Peter Deuflhard for giving me the opportunity to work in the field of Scientific Computing. I have benefited immensely from his help to get the right perspectives, and from his continuous...

DOWNLOAD



READ ONLINE

[7.73 MB]

Reviews

Complete guide for publication enthusiasts. I have read and i am sure that i will going to study again once again in the future. Your way of life period will be transform once you total looking over this publication.

-- Shayne O'Conner

This composed publication is great. It is one of the most remarkable publication i have got read through. I am just quickly could get a delight of looking at a composed book.

-- Caden Buckridge

See Also



Summer the 25th anniversary of the equation (Keigo Higashino shocking new work! Lies and true Impenetrable(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: Unknown in Publisher: Modern Publishing Basic information Original Price: 28.00 yuan Author: Publisher: Modern Publishing ISBN: 9.787.514.307.542 Yema:...



Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...



TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2) (Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



Theoretical and practical issues preschool(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2013-09-01 Language: Chinese Publisher: Huazhong Normal University Press only genuine new book - book shelves No picture if...



Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...



You Are Not I: A Portrait of Paul Bowles

University of California Press. Hardcover. Book Condition: New. 0520211049 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE...