1. Record Nr.   UNISA996466494903316

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   Titolo   Layer-Adapted Meshes for Reaction-Convection-Diffusion Problems
                       [[electronic resource] /] / by Torsten Linß

   Pubbl/distr/stampa   Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer,
                       , 2010

   ISBN   1-280-39161-8
                       9786613569530
                       3-642-05134-0

   Edizione   [1st ed. 2010.]

   Descrizione fisica   1 online resource (XII, 326 p.)

   Collana   Lecture Notes in Mathematics, , 0075-8434 ; ; 1985

   Disciplina   515.35

   Soggetti   Numerical analysis
                       Differential equations
                       Partial differential equations
                       Numerical Analysis
                       Ordinary Differential Equations
                       Partial Differential Equations

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di bibliografia   Includes bibliographical references (p. 215-222) and index.

   Nota di contenuto   One dimensional problems -- The Analytical Behaviour of Solutions --
                       Finite Difference Schemes for Convection-Diffusion Problems -- Finite
                       Element and Finite Volume Methods -- Discretisations of Reaction-
                       Convection-Diffusion Problems -- Layer-Adapted Meshes -- Two
                       dimensional problems -- The Analytical Behaviour of Solutions --
                       Reaction-Diffusion Problems -- Convection-Diffusion Problems.

   Sommario/riassunto This book on numerical methods for singular perturbation problems -
                       in particular, stationary reaction-convection-diffusion problems
                       exhibiting layer behaviour is devoted to the construction and analysis
                       of layer-adapted meshes underlying these numerical methods. A
                       classification and a survey of layer-adapted meshes for reaction-
                       convection-diffusion problems are included. This structured and
                       comprehensive account of current ideas in the numerical analysis for
                       various methods on layer-adapted meshes is addressed to researchers
                       in finite element theory and perturbation problems. Finite differences,