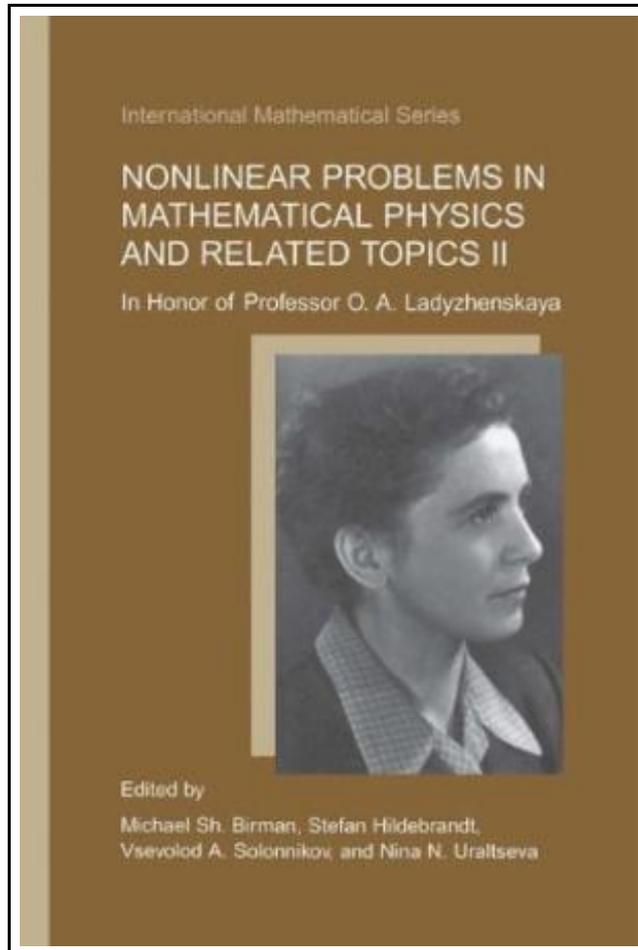


Nonlinear Problems in Mathematical Physics and Related Topics II: In Honour of Professor O.A. Ladyzhenskaya



Filesize: 1.57 MB

Reviews

Merely no words to clarify. I could comprehend every little thing using this created e pdf. I am just effortlessly could possibly get a enjoyment of reading through a created publication.

(Mr. Ari Powlowski)

NONLINEAR PROBLEMS IN MATHEMATICAL PHYSICS AND RELATED TOPICS II: IN HONOUR OF PROFESSOR O.A. LADYZHENSKAYA



To read **Nonlinear Problems in Mathematical Physics and Related Topics II: In Honour of Professor O.A. Ladyzhenskaya** PDF, remember to click the web link beneath and download the ebook or have accessibility to other information which are in conjunction with NONLINEAR PROBLEMS IN MATHEMATICAL PHYSICS AND RELATED TOPICS II: IN HONOUR OF PROFESSOR O.A. LADYZHENSKAYA book.

Springer. Hardcover. Book Condition: New. Hardcover. 380 pages. Dimensions: 8.6in. x 7.0in. x 1.2in. The main topics reflect the fields of mathematics in which Professor O. A. Ladyzhenskaya obtained her most influential results. One of the main topics considered in the volume is the Navier-Stokes equations. This subject is investigated in many different directions. In particular, the existence and uniqueness results are obtained for the Navier-Stokes equations in spaces of low regularity. A sufficient condition for the regularity of solutions to the evolution Navier-Stokes equations in the three-dimensional case is derived and the stabilization of a solution to the Navier-Stokes equations to the steady-state solution and the realization of stabilization by a feedback boundary control are discussed in detail. Connections between the regularity problem for the Navier-Stokes equations and a backward uniqueness problem for the heat operator are also clarified. Generalizations and modified Navier-Stokes equations modeling various physical phenomena such as the mixture of fluids and isotropic turbulence are also considered. Numerical results for the Navier-Stokes equations, as well as for the porous medium equation and the heat equation, obtained by the diffusion velocity method are illustrated by computer graphs. Some other models describing various processes in continuum mechanics are studied from the mathematical point of view. In particular, a structure theorem for divergence-free vector fields in the plane for a problem arising in a micromagnetics model is proved. The absolute continuity of the spectrum of the elasticity operator appearing in a problem for an isotropic periodic elastic medium with constant shear modulus (the Hill body) is established. Time-discretization problems for generalized Newtonian fluids are discussed, the unique solvability of the initial-value problem for the inelastic homogeneous Boltzmann equation for hard spheres, with a diffusive term representing a random background acceleration is proved and some qualitative properties of the solution are...



[Read Nonlinear Problems in Mathematical Physics and Related Topics II: In Honour of Professor O.A. Ladyzhenskaya Online](#)



[Download PDF Nonlinear Problems in Mathematical Physics and Related Topics II: In Honour of Professor O.A. Ladyzhenskaya](#)



[Download ePUB Nonlinear Problems in Mathematical Physics and Related Topics II: In Honour of Professor O.A. Ladyzhenskaya](#)

Other Books



[PDF] The Day I Forgot to Pray

Access the link under to download and read "The Day I Forgot to Pray" PDF file.

[Read eBook »](#)



[PDF] DK Readers Animal Hospital Level 2 Beginning to Read Alone

Access the link under to download and read "DK Readers Animal Hospital Level 2 Beginning to Read Alone" PDF file.

[Read eBook »](#)



[PDF] DK Readers Day at Greenhill Farm Level 1 Beginning to Read

Access the link under to download and read "DK Readers Day at Greenhill Farm Level 1 Beginning to Read" PDF file.

[Read eBook »](#)



[PDF] DK Readers Disasters at Sea Level 3 Reading Alone

Access the link under to download and read "DK Readers Disasters at Sea Level 3 Reading Alone" PDF file.

[Read eBook »](#)



[PDF] DK Readers Invaders From Outer Space Level 3 Reading Alone

Access the link under to download and read "DK Readers Invaders From Outer Space Level 3 Reading Alone" PDF file.

[Read eBook »](#)



[PDF] Readers Bermuda Triangle

Access the link under to download and read "Readers Bermuda Triangle" PDF file.

[Read eBook »](#)



[PDF] Dear Bats The Creepy Cave Caper Carole Marsh Mysteries

Click the hyperlink under to get "Dear Bats The Creepy Cave Caper Carole Marsh Mysteries" PDF file.

[Read PDF »](#)



[PDF] The Voracious Volcano Mystery Masters of Disasters Numbered

Click the hyperlink under to get "The Voracious Volcano Mystery Masters of Disasters Numbered" PDF file.

[Read PDF »](#)



[PDF] Scholastic Discover More Penguins

Click the hyperlink under to get "Scholastic Discover More Penguins" PDF file.

[Read PDF »](#)



[PDF] The Mystery in Chocolate Town: Hershey, Pennsylvania

Click the hyperlink under to get "The Mystery in Chocolate Town: Hershey, Pennsylvania" PDF file.

[Read PDF »](#)



[PDF] DK Readers Duckling Days

Click the hyperlink under to get "DK Readers Duckling Days" PDF file.

[Read PDF »](#)



[PDF] The Poems and Prose of Ernest Dowson

Click the hyperlink under to get "The Poems and Prose of Ernest Dowson" PDF file.

[Read PDF »](#)