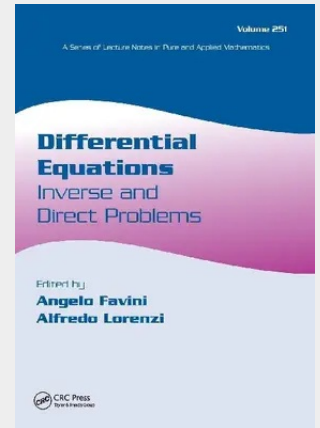


Differential Equations

Inverse and Direct Problems

With contributions from some of the leading authorities in the field, the work in Differential Equations: Inverse and Direct Problems stimulates the preparation of new research results and offers exciting possibilities not only in the future of mathematics but also in physics, engineering, superconductivity in special materials, and other scientific fields. Exploring the hypotheses and numerical approaches that relate to pure and applied mathematics, this collection of research papers and surveys extends the theories and methods of differential equations. The book begins with discussions on Banach spaces, linear and nonlinear theory of semigroups, integrodifferential equations, the physical interpretation of general Wentzell boundary conditions, and unconditional martingale difference (UMD) spaces. It then proceeds to deal with models in superconductivity, hyperbolic partial differential equations (PDEs), blowup of solutions, reaction-diffusion equation with memory, and Navier-Stokes equations. The volume concludes with analyses on Fourier-Laplace multipliers, gradient estimates for Dirichlet parabolic problems, a nonlinear system of PDEs, and the complex Ginzburg-Landau equation. By combining direct and inverse problems into one book, this compilation is a useful reference for those working in the world of pure or applied mathematics.

Differential Equations: Inverse and Direct Problems presents a collection of research papers and surveys on differential equations. This book covers topics in various disciplinary fields, including differential equations in Banach spaces, integro-differential equations, models in superconductivity, hyperbolic partial differential equations, physical interpretation of general Wentzell boundary conditions, blowup of solutions, reaction-diffusion equation with memory, and Navier-Stokes equations. With contributions from leading experts, this text is ideal for mathematicians specializing in partial differential equations and Banach spaces.



382,60 €

382,60 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781584886044

Medium: Buch

ISBN: 978-1-58488-604-4

Verlag: Chapman and Hall/CRC

Erscheinungstermin: 09.06.2006

Sprache(n): Englisch

Auflage: 1. Auflage 2006

Serie: Lecture Notes in Pure and Applied Mathematics

Produktform: Kartoniert

Gewicht: 561 g

Seiten: 294

Format (B x H): 178 x 254 mm

