Record Nr. UNISA996448451903316 Autore Logan J. David (John David) Titolo An introduction to nonlinear partial differential equations / / J. David Logan Pubbl/distr/stampa Hoboken, New Jersey:,: Wiley-Interscience,, [2008] ©2008 **ISBN** 0-470-43858-4 1-281-37405-9 9786611374051 0-470-28709-8 0-470-28708-X Edizione [Second edition.] Descrizione fisica 1 online resource (418 p.) Collana Pure and applied mathematics Disciplina 515.353 Soggetti Differential equations, Partial Differential equations, Nonlinear Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references (pages [387]-393) and index. Nota di contenuto An Introduction to Nonlinear Partial Differential Equations; Contents; Preface; 1. Introduction to Partial Differential Equations; 2. First-Order Equations and Characteristics; 3. Weak Solutions to Hyperbolic Equations; 4. Hyperbolic Systems; 5. Diffusion Processes; Appendix: Dynamical Systems; 6. Reaction-Diffusion Systems; 7. Equilibrium Models: References: Index Sommario/riassunto Praise for the First Edition: ""This book is well conceived and well written. The author has succeeded in producing a text on nonlinear PDEs that is not only quite readable but also accessible to students from diverse backgrounds.""-SIAM Review A practical introduction to nonlinear PDEs and their real-world applications Now in a Second Edition, this popular book on nonlinear partial differential equations (PDEs) contains expanded coverage on the central topics of applied mathematics in an elementary, highly readable format and is accessible

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