Record Nr. UNINA9910483843703321 Autore Ambrosio Luigi Titolo Calculus of Variations and Nonlinear Partial Differential Equations: Lectures given at the C.I.M.E. Summer School held in Cetraro, Italy, June 27 - July 2, 2005 / / by Luigi Ambrosio, Luis A. Caffarelli, Michael G. Crandall, Lawrence C. Evans, Nicola Fusco; edited by Bernard Dacorogna, Paolo Marcellini Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, 2008 **ISBN** 9783540759140 354075914X Edizione [1st ed. 2008.] Descrizione fisica 1 online resource (XI, 206 p.) Collana C.I.M.E. Foundation Subseries, , 2946-1820 ; ; 1927 Disciplina 515.64 Soggetti Mathematical optimization Calculus of variations Differential equations Calculus of Variations and Optimization 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 and index. Nota di contenuto Transport Equation and Cauchy Problem for Non-Smooth Vector Fields -- Issues in Homogenization for Problems with Non Divergence Structure -- A Visit with the ?-Laplace Equation -- Weak KAM Theory and Partial Differential Equations -- Geometrical Aspects of Symmetrization -- CIME Courses on Partial Differential Equations and Calculus of Variations. Sommario/riassunto This volume provides the texts of lectures given by L. Ambrosio, L. Caffarelli, M. Crandall, L.C. Evans, N. Fusco at the Summer course held in Cetraro (Italy) in 2005. These are introductory reports on current research by world leaders in the fields of calculus of variations and partial differential equations. The topics discussed are transport equations for nonsmooth vector fields, homogenization, viscosity

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