

1. Record Nr.	UNINA9910788900303321
Titolo	Recent trends in nonlinear partial differential equations I : workshop in honor of Patrizia Pucci's 60th birthday : nonlinear partial differential equations, May 28-June 1, 2012, University of Perugia, Perugia, Italy / / James B. Serrin, Enzo L. Mitidieri, Vicentiu D. Radulescu, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2013 ©2013
ISBN	1-4704-0992-5
Descrizione fisica	1 online resource (322 p.)
Collana	Contemporary mathematics, , 1098-3627 ; ; 594 , 0271-4132
Disciplina	515/.353
Soggetti	Differential equations, Nonlinear Differential equations, Parabolic
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.
Nota di contenuto	Thanks -- Preface -- A tribute to Patrizia Pucci -- 1. Introduction -- 2. The early years and Lamberto Cesari's influence (1976-1986) -- 3. The exemplary collaboration with James Serrin (1984-2011) -- 4. A leading mathematical force in Perugia -- 5. A (temporary) conclusion -- A scientific profile of Patrizia Pucci -- References -- Monographs, published books and handouts -- The Liouville theorem for homogeneous elliptic differential inequalities -- comm11880.start.0 -- Multiplicity results for porous media and fast diffusion equations with a quadratic gradient term -- 1. Introduction -- 2. Some results for an elliptic-parabolic problem with measure data -- 3. Some results for an elliptic-parabolic problem with singular measure data -- 4. The Porous medium problem with quadratic gradient term: A multiplicity result -- Acknowledgement -- References -- A priori estimates for solutions of "Kirchhoff systems under dynamic boundary conditions -- 1. Introduction -- 2. Preliminaries -- 3. Lifespan estimates for (1.1) -- Acknowledgments -- References -- Higher order linear parabolic equations -- 1. Introduction -- 2. Heat kernel estimates -- 3. The Fokker-Planck equation -- 4. Asymptotic behavior of the solution -- 5. Positivity preserving property -- References -- Sources of Nonlinearity in the Kinetic Theory for Active Particles with Focus on the

Formation of Political Opinions -- 1. On the hallmarks of the kinetic theory for active particles and plan of the paper -- 2. Mathematical structures -- 3. Sources of Nonlinearities -- 4. Opinion Formation in a Political Competition -- 5. Critical analysis -- References -- Yamabe type equations with sign-changing nonlinearities on the Heisenberg group, and the role of Green functions -- 1. Introduction -- 2. Proof of Theorem 1 -- 3. Another proof of Theorem 1 and a general result -- References -- Asymptotic behavior of the solution to variational inequalities with joint constraints on its value and its gradient -- 1. Introduction -- 2. A Model Problem -- 3. The General Case -- Acknowledgments -- References -- Existence and uniqueness of solutions to a Cauchy problem modeling the dynamics of socio-political conflicts -- 1. Introduction -- 2. The mathematical model and the initial value problem -- 3. Solution to the initial value problem -- Acknowledgement -- References -- Regularity points of "homeomorphisms in the plane -- 1. Introduction -- 2. Preliminary results -- 3. The bi-ACL mappings -- 4. Proof of Theorem 1.2 -- 5. Proof of Theorem 1.1 -- References -- Energy Estimates and Integral Harnack inequality for some doubly nonlinear singular parabolic equations -- Initial value problems for diffusion equations with singular potential -- On a class of fully nonlinear PDEs from complex geometry -- Concentration of conformal volume, improved Moser-Trudinger inequalities and Toda systems -- Periodic solutions of Lagrangian difference systems: Periodic nonlinearities (almost) don't matter -- A limit problem for degenerate quasilinear variational inequalities in cylinders -- Strong solutions for the wave equation with a kinetic boundary condition.
