1.	Record Nr.	UNISA996466595903316
	Autore	Lewis John
	Titolo	Regularity Estimates for Nonlinear Elliptic and Parabolic Problems [[electronic resource]] : Cetraro, Italy 2009 <P> / / by John Lewis, Peter Lindqvist, Juan J. Manfredi, Sandro Salsa
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2012
	ISBN	3-642-27145-6
	Edizione	[1st ed. 2012.]
	Descrizione fisica	1 online resource (XI, 247 p. 3 illus.)
	Collana	C.I.M.E. Foundation Subseries ; ; 2045
	Disciplina	515/.355
	Soggetti	Partial differential equations Calculus of variations Partial Differential Equations Calculus of Variations and Optimal Control; Optimization
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"Notes of the CIME course 'Regularity Estimates for Nonlinear Elliptic and Parabolic Problems' held in Cetraro (Italy) on June 22-27, 2009".-- Pref.
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	Applications of Boundary Harnack Inequalities for p Harmonic Functions and Related Topics -- Regularity of Supersolutions -- Introduction to random Tug-of-War games and PDEs -- The Problems of the Obstacle in Lower Dimension and for the Fractional Laplacian.
	Sommario/riassunto	The issue of regularity has played a central role in the theory of Partial Differential Equations almost since its inception, and despite the tremendous advances made it still remains a very fruitful research field. In particular considerable strides have been made in regularity estimates for degenerate and singular elliptic and parabolic equations over the last several years, and in many unexpected and challenging directions. Because of all these recent results, it seemed high time to create an overview that would highlight emerging trends and issues in this fascinating research topic in a proper and effective way. The course aimed to show the deep connections between these topics and to open new research directions through the contributions of leading experts in all of these fields.