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Titolo	Fully Nonlinear PDEs in Real and Complex Geometry and Optics [e-book] : Cetraro, Italy 2012 / Luca Capogna ... [et al.] ; editors: Cristian E. Gutiérrez, Ermanno Lanconelli
ISBN	9783319009421 (e-book)
Descrizione fisica	1 online resource (xi, 210 p. 8 ill., 4 ill. in color)
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Altri autori (Persone)	Capogna, Lucaauthor Guan, Pengfei Gutiérrez, Cristian E Montanari, Annamaria
Altri autori (Enti)	SpringerLink (Online service)
Disciplina	515.353
Soggetti	Differential equations, Partial - Congresses Differential equations, Nonlinear - Congresses Teichmüller spaces - Congresses Conformal mapping - Congresses Monge-Ampère equations - Congresses
Lingua di pubblicazione	Inglese
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Nota di contenuto	L[infinity symbol] extremal mappings in AMLE and Teichmüller theory / Luca Capogna. Curvature measures, isoperimetric type inequalities and fully nonlinear PDEs / Pengfei Guan. Refraction problems in geometric optics / Cristian E. Gutierrez. On the Levi Monge-Ampère equation / Annamaria Montanari
Sommario/riassunto	The purpose of this CIME summer school was to present current areas of research arising both in the theoretical and applied setting that involve fully nonlinear partial different equations. The equations presented in the school stem from the fields of Conformal Mapping Theory, Differential Geometry, Optics, and Geometric Theory of Several Complex Variables. The school consisted of four courses: Extremal

problems for quasiconformal mappings in space by Luca Capogna,
Fully nonlinear equations in geometry by Pengfei Guan, Monge-Ampere
type equations and geometric optics by Cristian E. Gutiérrez, and On
the Levi Monge Ampere equation by Annamaria Montanari
