Título: Geometric Analysis, Mathematical Relativity, And Nonlinear Partial Differential

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Precio: $1401.70

Editorial:

Año: 2013

Tema:

Edición: 1ª

Sinopsis

ISBN: 9780821891490

This volume presents the proceedings of the Southeast Geometry Seminar for the meetings that took place bi-annually between the fall of 2009 and the fall of 2011, at Emory University, Georgia Institute of Technology, University of Alabama Birmingham, and the University of Tennessee. Talks at the seminar are devoted to various aspects of geometric analysis and related fields, in particular, nonlinear partial differential equations, general relativity, and geometric topology.

Articles in this volume cover the following topics: a new set of axioms for General Relativity, CR manifolds, the Mañé Conjecture, minimal surfaces, maximal measures, pendant drops, the Funk-Radon-Helgason method, ADM-mass and capacity, and extrinsic curvature in metric spaces.

Readership

Graduate students and researchers interested in geometric analysis, nonlinear partial differential equations, and general relativity.

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