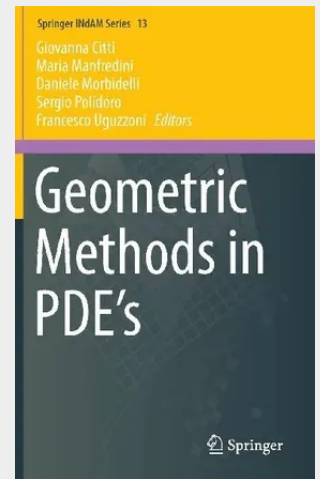


Geometric Methods in PDE's

The analysis of PDEs is a prominent discipline in mathematics research, both in terms of its theoretical aspects and its relevance in applications. In recent years, the geometric properties of linear and nonlinear second order PDEs of elliptic and parabolic type have been extensively studied by many outstanding researchers. This book collects contributions from a selected group of leading experts who took part in the INdAM meeting "Geometric methods in PDEs", on the occasion of the 70th birthday of Ermanno Lanconelli. They describe a number of new achievements and/or the state of the art in their discipline of research, providing readers an overview of recent progress and future research trends in PDEs. In particular, the volume collects significant results for sub-elliptic equations, potential theory and diffusion equations, with an emphasis on comparing different methodologies and on their implications for theory and applications.

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106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319026657
Medium: Buch
ISBN: 978-3-319-02665-7
Verlag: Palgrave Macmillan
Erscheinungstermin: 23.10.2015
Sprache(n): Englisch
Auflage: 1. Auflage 2015
Serie: Springer INdAM Series
Produktform: Gebunden
Gewicht: 7037 g
Seiten: 373
Format (B x H): 160 x 241 mm

