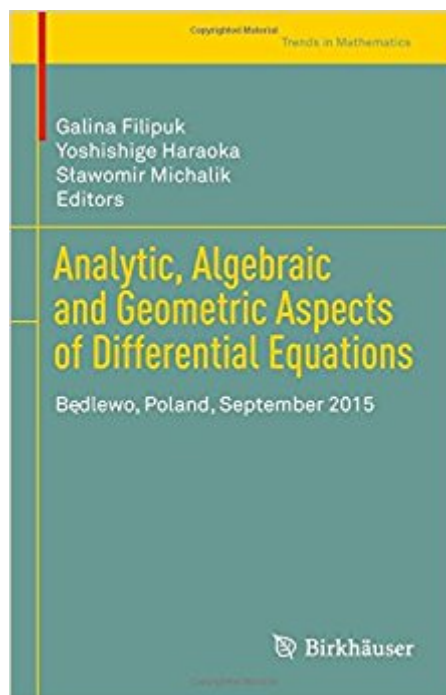The book was found

Analytic, Algebraic And Geometric Aspects Of Differential Equations: BÄ™dlewo, Poland, September 2015 (Trends In Mathematics)

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This volume consists of invited lecture notes, survey papers and original research papers from the AAGADE school and conference held in BÄ™dlewo, Poland in September 2015. The contributions provide an overview of the current level of interaction between algebra, geometry and analysis and demonstrate the manifold aspects of the theory of ordinary and partial differential equations, while also pointing out the highly fruitful interrelations between those aspects. These interactions continue to yield new developments, not only in the theory of differential equations but also in several related areas of mathematics and physics such as differential geometry, representation theory, number theory and mathematical physics.The main goal of the volume is to introduce basic concepts, techniques, detailed and illustrative examples and theorems (in a manner suitable for non-specialists), and to present recent developments in the field, together with open problems for more advanced and experienced readers. It will be of interest to graduate students, early-career researchers and specialists in analysis, geometry, algebra and related areas, as well as anyone interested in learning new methods and techniques.

Book Information

Series: Trends in Mathematics

Hardcover: 471 pages

Publisher: BirkhÃƒÂ¤user; 1st ed. 2017 edition (July 23, 2017)

Language: English

ISBN-10: 3319528416

ISBN-13: 978-3319528410

Product Dimensions: 6.1 x 1.1 x 9.2 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

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