Analytic Methods For Diophantine Equations And Diophantine Inequalities

Based on lectures given by Davenport at the University of Michigan in the early 1960s.Harold Davenport was one of the truly great mathematicians of the twentieth century. Based on lectures he gave at the University of Michigan in the early 1960s, this book is concerned with the use of analytic methods in the study of integer solutions to Diophantine equations and Diophantine inequalities. It provides an excellent introduction to a timeless area of number theory that is still as widely researched today as it was when the book originally appeared. The three main themes of the book are Waring's problem and the representation of integers by diagonal forms, the solubility in integers of systems of forms in many variables, and the solubility in integers of diagonal inequalities. For the second edition of the book a comprehensive foreword has been added in which three prominent authorities describe the modern context and recent developments. A thorough bibliography has also been added. EAN/ISBN : 9780511079344 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Davenport, H. - Browning, T. D.

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