



Arithmetic Tales

By Olivier Bordellès

Springer London Ltd, United Kingdom, 2012. Paperback. Book Condition: New. 2012 ed.. 231 x 152 mm. Language: French,English . Brand New Book. Number theory was once famously labeled the queen of mathematics by Gauss. The multiplicative structure of the integers in particular deals with many fascinating problems some of which are easy to understand but very difficult to solve. In the past, a variety of very different techniques has been applied to further its understanding. Classical methods in analytic theory such as Mertens theorem and Chebyshev's inequalities and the celebrated Prime Number Theorem give estimates for the distribution of prime numbers. Later on, multiplicative structure of integers leads to multiplicative arithmetical functions for which there are many important examples in number theory. Their theory involves the Dirichlet convolution product which arises with the inclusion of several summation techniques and a survey of classical results such as Hall and Tenenbaum's theorem and the Mobius Inversion Formula. Another topic is the counting integer points close to smooth curves and its relation to the distribution of squarefree numbers, which is rarely covered in existing texts. Final chapters focus on exponential sums and algebraic number fields. A number of exercises at varying...



READ ONLINE
[1.57 MB]

Reviews

Extensive guide for ebook lovers. It generally does not cost excessive. Your way of life span will likely be convert the instant you complete looking at this ebook.

-- **Rocky Dach**

Certainly, this is the very best work by any author. It is amongst the most remarkable publication i have got study. I am just happy to inform you that this is actually the greatest pdf i have got study inside my individual daily life and can be he very best publication for at any time.

-- **Gilbert Rippin**