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Disquisitiones Arithmeticae

DISQUISITIONES ARITHMETICAE

CARL FRIEDRICH GAUSS

translated by Arthur A. Clarke, S.J.

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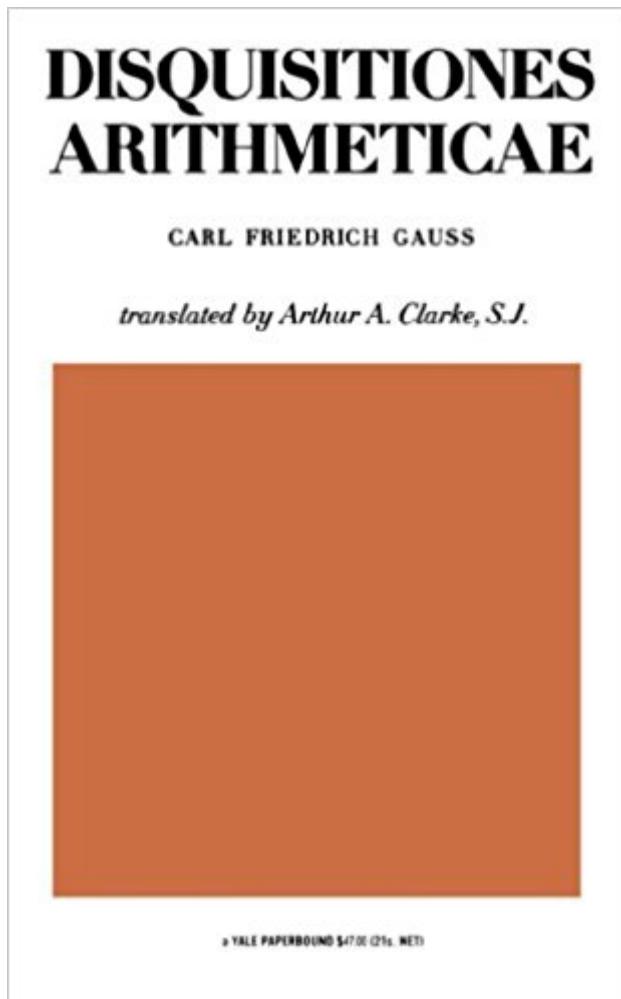
Synopsis

The first translation into English of the standard work on the theory of numbers by one of the greatest masters of modern mathematical analysis, this classic was first published in 1801 in Latin.Ã Â It has continued to be important to mathematicians as the source of the ideas from which number theory was developed and to students of the history of the electrical, astronomical, and engineering sciences, which were furthered by GaussÃ¢â ¬â„¢ application of his mathematical principles to these fields.Ã Â Father Clarke has achieved a sympathetic and faithful translation of this monumental work.Ã Â The book is complete and unabridged, and a bibliography of the references cited by Gauss has been added by the translator.Ã Â "Whatever set of values is adopted,Ã Â Gauss's Disquistiones Arithmeticae surely belongs among theÃ Â greatest mathematical treatises of all fields and periods. . . . The appearance of an English version of this classic is most welcome."Ã¢â ¬â •Asger Aaboe.Ã Â

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Customer Reviews

Text: Spanish (translation) Original Language: Latin --This text refers to an out of print or unavailable edition of this title.

Before reading (i.e. studying) this book, I thought Hardy's and Apostol's books on the theory of numbers were the best... Those are very good indeed but Gauss' treatment is that of a MASTER !Once you get used to the symbols, the journey is thrilling : you're dealing with a genius, willing to guide you...Don't throw your money away in buying the paperback edition, buy the hardcover edition where most of the errors have been corrected and which is much better structured and provides

ample space for annotations... i.e. allow yourself a gift and enjoy it !

I had the Springer versiÃƒÂ n of the Book of Mr. Gauss ,but this Book is a refreshing versiÃƒÂ n with litlle changes that make it interesting.

Excellent!

What blows my mind about Gauss's Disquisitiones is that it is understandable to people like me who don't have an advanced background in mathematics. You just need to move through it slowly and carefully. There is a certain joy that comes along with making the discoveries that Gauss walks you through. A book that will change your outlook on life by enhancing what you see as the basic philosophy underlying numbers and mathematics. Mathemtical magicians like Euler and Lagrange will just confuse and dazzle you with their tricks, but Gauss will give you understanding.

This is an incredible work, painstakingly and lovingly translated by someone with more patience than I might ever have. Thank God there are people out there who can do such tedious things so we can all enjoy these great works in English. This book shows how a master thinks about mathematics. It rolls out of his head like you and I might talk about the weather. If you get but one new idea from this book, it was worth the price. Gauss' contribution of "clock" or modular arithmetic will change the way you think about numbers.

Gauss wrote Disquisitiones between 1795 and 1801. If I can read and understand Clarke's translation in less time than it took Gauss to write the original, I will be doing well. The mathematics has not been superseded and the historical aspect is extremely valuable.

Good book but poor quality bond and print. I got it less than a week it already start to fall apart

A nice fat book filled with arcane mathematics and recondite ideas. If you even know about the existence of this book then you already know whether or not you're going to buy it.

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