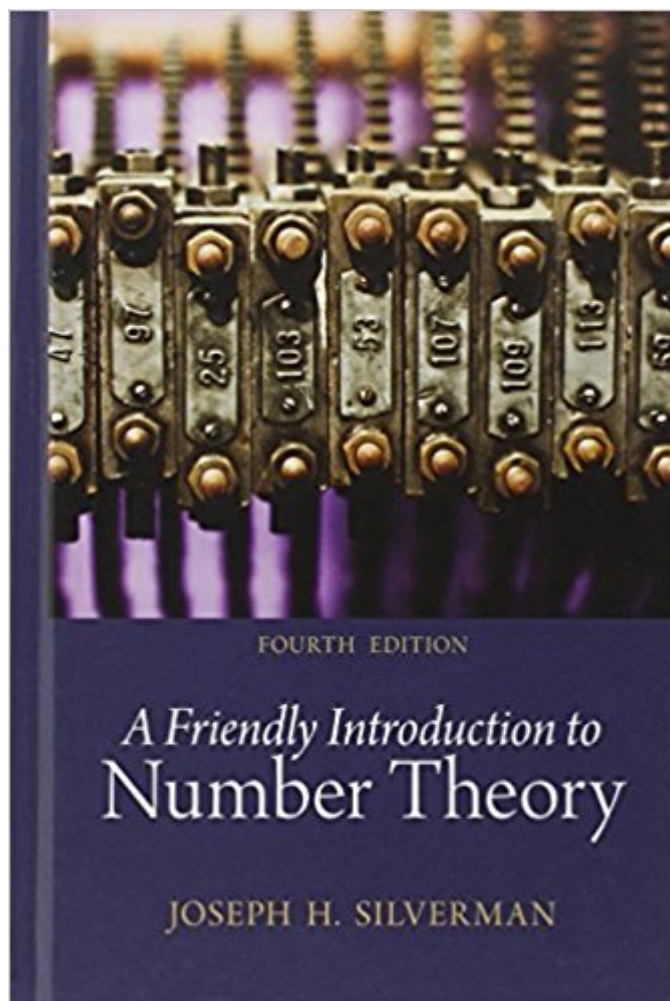


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A Friendly Introduction To Number Theory (4th Edition)



Synopsis

A Friendly Introduction to Number Theory, Fourth Edition is designed to introduce readers to the overall themes and methodology of mathematics through the detailed study of one particular facet—number theory. Starting with nothing more than basic high school algebra, readers are gradually led to the point of actively performing mathematical research while getting a glimpse of current mathematical frontiers. The writing is appropriate for the undergraduate audience and includes many numerical examples, which are analyzed for patterns and used to make conjectures. Emphasis is on the methods used for proving theorems rather than on specific results.

Book Information

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Customer Reviews

Joseph H. Silverman is a Professor of Mathematics at Brown University. He received his Sc.B. at Brown and his Ph.D. at Harvard, after which he held positions at MIT and Boston University before joining the Brown faculty in 1988. He has published more than 100 peer-reviewed research articles and seven books in the fields of number theory, elliptic curves, arithmetic geometry, arithmetic dynamical systems, and cryptography. He is a highly regarded teacher, having won teaching awards from Brown University and the Mathematical Association of America, as well as a Steele Prize for Mathematical Exposition from the American Mathematical Society. He has supervised the theses of more than 25 Ph.D. students, is a co-founder of NTRU Cryptosystems, Inc., and has served as an elected member of the American Mathematical Society Council and Executive Committee.

I had to buy this for an undergraduate course in number theory. The prose is excellent, humorous, and entertaining, and the proofs are clear and concise. Definitely recommended. After reading this book, I was hooked on the field.

I would expect that anyone curious enough about number theory to look up this book would likely have enough background in math to follow this text. It doesn't require much knowledge beyond algebra, but it does require algebra. I took a college course in number theory and this was the text. I have found it to be an easy read, only requiring a few visits to Wolfram Alpha to clarify some background knowledge. The style and organization of the book reflects an appreciation for the creativity involved in math and number theory.

Really difficult to understand really couldn't count on it for too much. Mostly used it for the problems and got outside resources to understand the concepts.

Needed it for a text in a number theory course. Not bad

it delightfully met my expectations. he takes your hand and leads you thru the whole book. what a delight, considering I bought some dover books from here on the same subject that promised to be introductory but were far from it.

I love working my way through this book.

A well-structured guide for a beginner to Number Theory.

Not your conventional upper-division text... Needs proofs to be drawn out more explicitly. Otherwise it's ok.

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