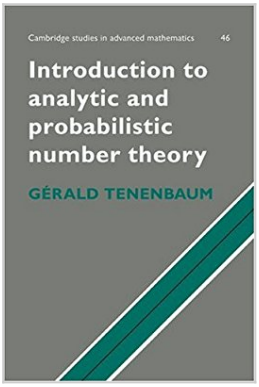

Introduction to Analytic and Probabilistic Number Theory (Cambridge Studies in Advanced Mathematics)

By G. Tenenbaum

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This book is a systematic introduction to analytic methods in number theory, and assumes as a prerequisite only what is taught in a standard undergraduate course. The author aids readers by including a section of bibliographic notes and detailed exercises at the end of each chapter. Tenenbaum has emphasized methods rather than results, so readers should be able to tackle more advanced material than is included here. Moreover, he covers developments on many new and unpublished topics, such as: the Selberg-Delange method; a version of the Ikehara-Ingham Tauberian theorem; and a detailed exposition of the arithmetical use of the saddle-point method.

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Editorial Review

Review
"Gerald Tenenbaum has made important contributions to number theory and his mastery of the material is reflected in the exposition, which is lucid, elegant, and accurate."
H.G. Diamond, Mathematical Reviews

"It contains clear and well written text, and enough exercises. I can recommend this book for students, researchers and professors, for studying and teaching."
Mehdi Hassani, MAA Reviews

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Bela Bollobas has taught at Cambridge University's Department of Pure Maths and Mathematical Statistics for over 25 years and has been a fellow of Trinity College for 30 years. Since 1996, he has held the unique Chair of Excellence in the Department of Mathematical Sciences at the University of Memphis. Bollobas has previously written over 250 research papers in extremal and probabilistic combinatorics, functional analysis, probability theory, isoperimetric inequalities and polynomials of graphs.

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