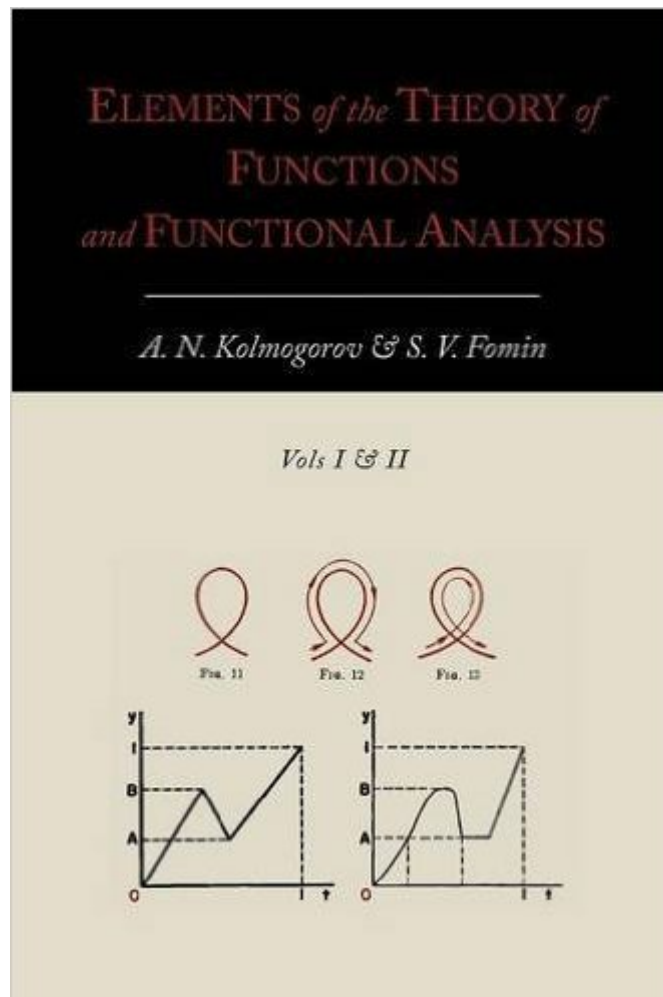# Elements Of The Theory Of Functions And Functional Analysis [Two Volumes In One]

Synopsis

2012 Reprint of Volumes One and Two, 1957-1961. Exact facsimile of the original edition, not reproduced with Optical Recognition Software. A. N. Kolmogorov was a Soviet mathematician, preeminent in the 20th century, who advanced various scientific fields, among them probability theory, topology, logic, turbulence, classical mechanics and computational complexity. Later in life Kolmogorov changed his research interests to the area of turbulence, where his publications beginning in 1941 had a significant influence on the field. In classical mechanics, he is best known for the Kolmogorov-Arnold-Moser theorem. In 1957 he solved a particular interpretation of Hilbert's thirteenth problem (a joint work with his student V. I. Arnold). He was a founder of algorithmic complexity theory, often referred to as Kolmogorov complexity theory, which he began to develop around this time. Based on the authors' courses and lectures, this two-part advanced-level text is now available in a single volume. Topics include metric and normed spaces, continuous curves in metric spaces, measure theory, Lebesque intervals, Hilbert space, and more. Each section contains exercises. Lists of symbols, definitions, and theorems.

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Customer Reviews

This book costs less than dover edition of this exact book (same title). You will probably find the price difference to be around 1-2 bucks on but I think the retail price for this book is actually cheaper. The best part is - it is actually better reprint than dover, as in better pages than your typical dover books.since a preview of the full table of content of the book is not available here, I will put

them in this "review":PART I: 128 pages1- Fundamental of Set Theory2- Metric Spaces3- Normed Linear Spaces4- Linear Operator EquationsPART II: 128 pages (page # resets on part II)5- Measure Theory6- Measure Functions7- The Lebesgue Integral8- Square Integrable Functions9- Abstract Hilbert Space. Integral Equations with Symmetric KernelYou can read reviews on the book for the dover edition since they are exactly the same.http://www..com/Elements-Functions-Functional-Analysis-Mathematics/dp/0486406830/ref=sr_1_1?s=books&ie=UTF8&qid=1428622523&sr=1-1&keywords=Elements+of+the+Theory+of+Functions+and+Functional+AnalysisAnother functional analysis book that i like is written by kreyszighttp://www..com/Introductory-Functional-Analysis-Applications-Kreyszig/dp/0471504599/ref=sr_1_1?s=books&ie=UTF8&qid=1428623503&sr=1-1&keywords=functional+analysisthis book is expensive however, you can get a hold of much cheaper international edition.

Beautiful republication -- better than the Dover reprint of the same title.

This reprint has a great quality, it arrived in great condition. The book is divided in Volume 1: Metric and Normed Spaces, and Volume 2: Measure, the Lebesgue Integral. Hilbert Space. The second part adds a set of exercises prepared by H. Kamel. This book is already one of my favorites

great

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