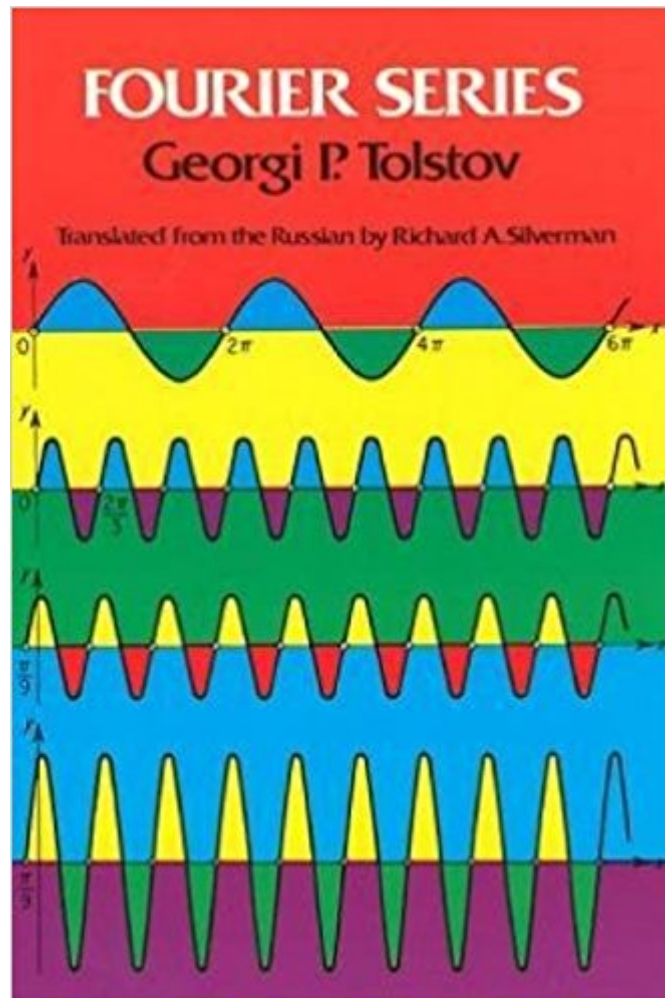




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# Fourier Series (Dover Books On Mathematics)



## Synopsis

Richard A. Silverman's series of translations of outstanding Russian textbooks and monographs is well-known to people in the fields of mathematics, physics, and engineering. The present book is another excellent text from this series, a valuable addition to the English-language literature on Fourier series. This edition is organized into nine well-defined chapters: Trigonometric Fourier Series, Orthogonal Systems, Convergence of Trigonometric Fourier Series, Trigonometric Series with Decreasing Coefficients, Operations on Fourier Series, Summation of Trigonometric Fourier Series, Double Fourier Series and the Fourier Integral, Bessel Functions and Fourier-Bessel Series, and the Eigenfunction Method and its Applications to Mathematical Physics. Every chapter moves clearly from topic to topic and theorem to theorem, with many theorem proofs given. A total of 107 problems will be found at the ends of the chapters, including many specially added to this English-language edition, and answers are given at the end of the text. Richard Silverman's excellent translation makes this book readily accessible to mathematicians and math students, as well as workers and students in the fields of physics and engineering. He has also added a bibliography, containing suggestions for collateral and supplementary reading. 1962 edition.

## Book Information

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As its name ,it is a book about Fourier series . In chapter two one find another definition for orthogonal systems by their integrals. and there are examples and problems

Great for review and catch up! A required reference for all Physics students and Math students. Add this to your reference library.

Great book for the price. I will continue referencing it for some time.

A good, useful book for an engineer/scientist

This is excellently written. This is perfect for self study, which is exactly what I bought it for. The author has a way of clearly and succinctly explaining the sometimes complex material. It was rare that I needed to turn back to a page to remember something because the presentation of the material makes it stick.

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