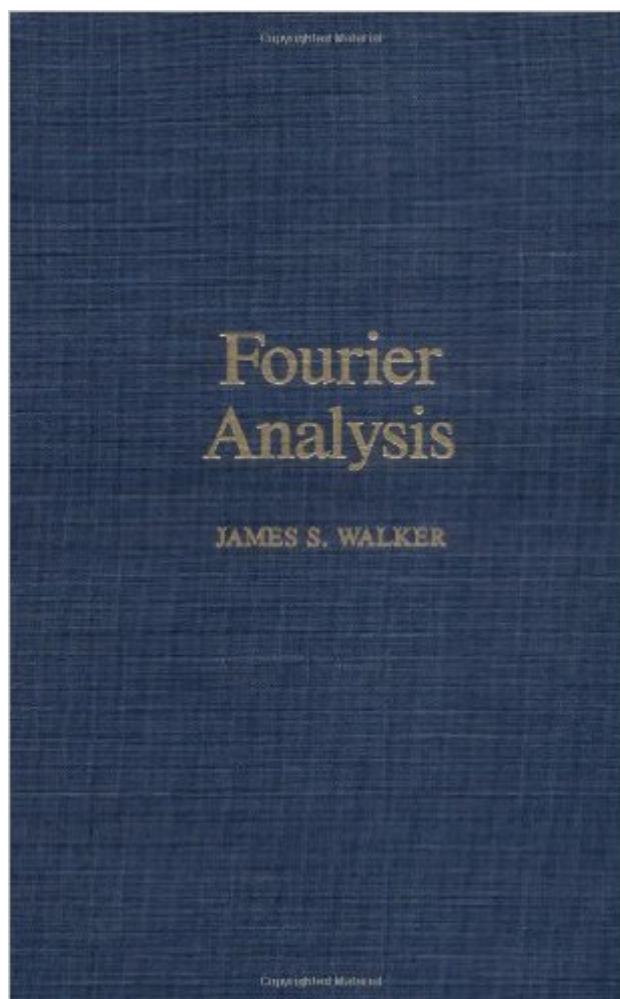


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Fourier Analysis



Synopsis

Fourier analysis is a mathematical technique for decomposing a signal into identifiable components. It is used in the study of all types of waves. This book explains the basic mathematical theory and some of the principal applications of Fourier analysis in areas ranging from sound and vibration to optics and CAT scanning. The author provides in-depth coverage of the techniques and includes exercises that demonstrate straightforward applications of formulas as well as more complex problems.

Book Information

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Fourier Analysis book by James Walker is one of the finest books I have read thusfar on Fourier's work. It is well written and supplemented with examples with a profound explanation. I have read and worked through many books on Fourier series and transforms but have not found any book that does as well as that by Walker. This book is unique and should serve as an excellent source of information for people in math and physics.

I think it is a great book for studying the subject. A little theoretical for engineering but it's ok. I consider it pretty good for figuring out several subjects of Fourier analysis. Unfortunately it is weak in generalized Fourier analysis with the delta function.

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