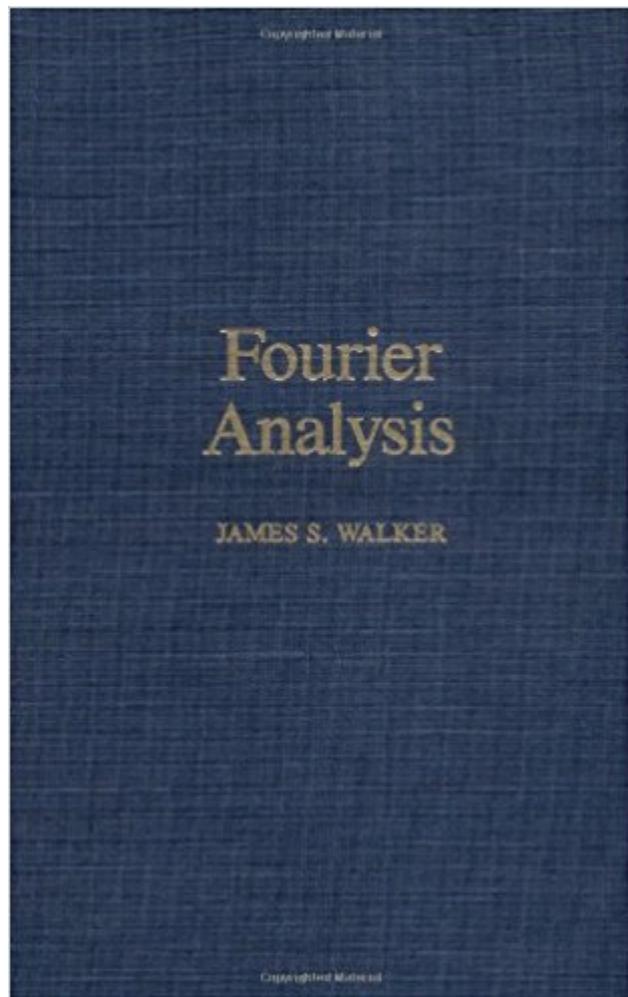


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# Fourier Analysis



## 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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## Customer Reviews

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 aprofound explanation. I have read and worked through many books on Forurier series andtransforms but have not found any book that does as well as that by Walker. Thisbook is unique and should serve as excellent source of information for people in mathand physics.

I think it is a great book for studying the subject. A little theoritical 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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