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#### Fourier Analysis by Elias M. Stein (ebook) - ebooks.com

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The Princeton Lectures in Analysis is a series of four mathematics textbooks, each covering a different area of mathematical analysis. They were written by Elias M. Stein and Rami Shakarchi and published by Princeton University Press between 2003 and 2011. They are, in order, Fourier Analysis: An Introduction; Complex Analysis; Real Analysis: Measure Theory, Integration, and Hilbert Spaces; and ...

#### **Princeton Lectures in Analysis - Wikipedia**

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In mathematics, Fourier analysis (/ ' f  $\sigma$ r i eɪ, -i ər /) is the study of the way general functions may be represented or approximated by sums of simpler trigonometric functions. Fourier analysis grew from the study of Fourier series, and is named after Joseph Fourier, who showed that representing a function as a sum of trigonometric functions greatly simplifies the study of heat transfer.

#### Fourier analysis - Wikipedia

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\$\begingroup\$ "Fourier Analysis" by Stein and Shakarchi is a lovely book. It may look like it is aimed at a lower level (it is supposed to be an introductory text to analysis) but the material covered there is incredibly broad and wonderfully treated. \$\endgroup\$ - Chris Janjigian Feb 12 '12 at 18:43 |

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