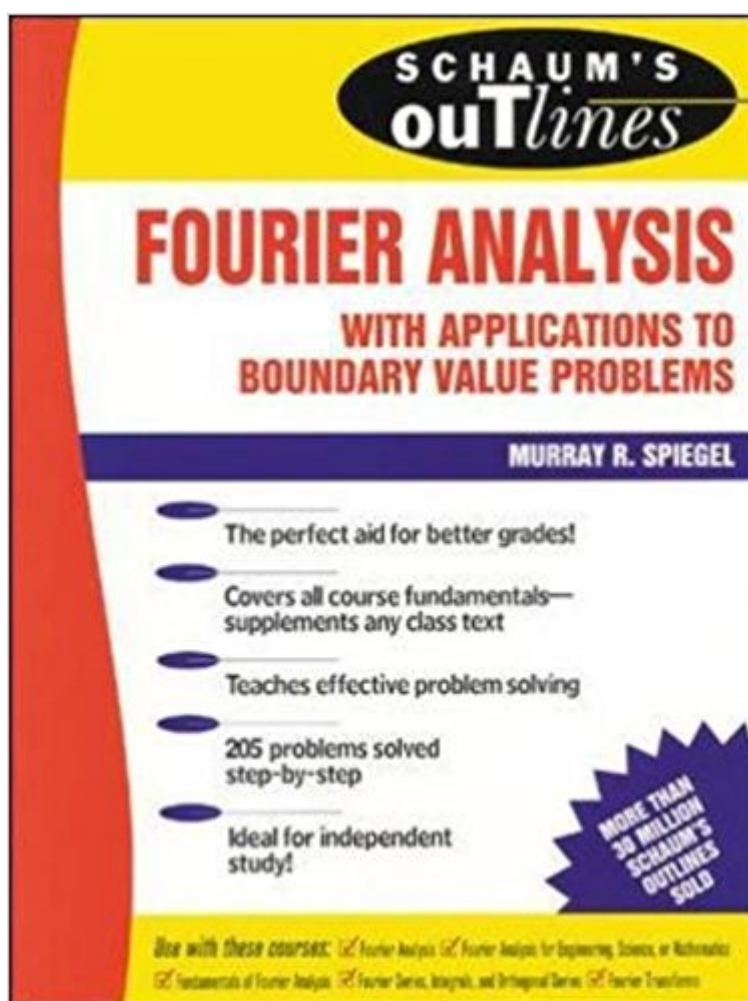The book was found

Schaum's Outline Of Fourier Analysis With Applications To Boundary Value Problems

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Customer Reviews

The Late MURRAY R. SPIEGEl received the M.S degree in Physics and the Ph.D. in Mathematics from Cornell University. He had positions at Harvard University, Columbia University, Oak Ridge and Rensselaer Polytechnic Insitute, and served as a mathematical consultant at several large Companies. His last Position was professor and Chairman of mathematics at the Rensselaer Polytechnic Institute Hartford Graduate Center. He was interested in most branches of mathematics at the Rensselaer polytechnic Institute, Hartford Graduate Center. He was interested in most

branches of mathematics, especially those which involve applications to physics and engineering problems. He was the author of numerous journal articles and 14 books on various topics in mathematics.

This book helps the student teaching by example how to solve differential and integral and therefore difference equations in Hilbert spaces with rectilinear coordinate systems. This is its primary focus. For a given problem or related problem set, one needs to learn which type of transform or integral kernel to use; the resultant families of characteristic polynomials and characteristic special functions typify different kinds of problems and problem spaces ...Not much time is spent on cylindrical and spherical coordinate systems; doing so would undermine the effectiveness of using Hilbert space proofs of existence and piecewise continuity of solvable system's solution functions! But given that one can define spherical space theories a la Hilbert spaces mutatis mutandis which have different sets of forbidden pathological functions to the ones forbidden in Hilbert space theory, and therefore different general convergence boundary paradoxes, it behoves one to admit that these topics may be too advanced for physics and engineering students who after all are merely interested in practical matters. Projective geometry differential geometry the calculus of variations and Riemannian manifold theory all offer other approaches that suit a few problems for which one must find another textbook ...Hilbert spaces overly depend on every function has a rule and $y = f(x)$ two dimensional thinking. But this limitation also is the source of powerful results that are so effective in the physical sciences that many base their faith in the meaningfulness and validity of these applied mathematical results ontologically and scientifically.Surprisingly it does not cover the fast Fourier transform, now used all over computer science ...A classic. Recommended.

Excellent refresher from my college engineering days. My college text book was not complete enough with examples completely worked out.

product as expected quick transaction

As described

I like all my Schaum's outlines! They are my best references. They are the first thing I look at when referencing any subject. Get one for any class they have it for.

good deal

as expected

I was looking for a good introductory text to Fourier series and transforms. There are some nicely worked out problems and proofs but this is definitely not an introductory text. For free you can watch Osgood's lectures on Fourier Analysis from Stanford Engineering on You-Tube. The lecture notes are also available as a download from the Stanford website. Please save your money and start there.

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