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Mathematical Methods in Engineering and Science 8, Contents VI. Sturm-Liouville Theory Fourier Series and Integrals Fourier Transforms Minimax Approximation* Partial Differential Equations Analytic Functions Integrals in the Complex Plane Singularities of Complex Functions.

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Description : "This self-study text for practicing engineers and scientists explains the mathematical tools that are required for advanced technological applications, but are often not covered in undergraduate school. The authors (University of Central Florida) describe special functions, matrix methods, vector operations, the transformation laws of tensors, the analytic functions of a complex variable, integral transforms, partial differential equations, probability theory, and random ...

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Introduction to Applied Mathematics. Wellesley, MA: Wellesley-Cambridge Press, 1986. ISBN: 9780961408800. (Table of Contents) Since that time, Professor Strang has published a new textbook that is being used for this course as it is currently taught on the MIT campus, as well as for Mathematical Methods for Engineers I (18.085).

Syllabus | Mathematical Methods for Engineers II ...

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