MATHEMATICAL METHODS for PHYSICISTS

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A Comprehensive Guide

Seventh Edition

This classic best-selling text continues to provide all the mathematical methods that aspiring scientists and engineers are likely to encounter as students and beginning researchers. *Mathematical Methods for Physicists*, *Seventh Edition* retains the strong features of the Sixth Edition while providing a more careful balance of explanation, theory, and examples. The book's improved focus and clarity will assist students throughout their academic careers and serve as an invaluable continuing resource to professors and scientists.

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- New Mathematical Preliminaries chapter to define and develop the required background
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- Extended discussion of partial differential equations
- Thorough treatment of contour integration
- More systematic treatment of orthogonal polynomials