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mathematical rigor to get the ideas across effectively.

Mathematical Methods for Scientists and Engineers

The most general separable equation is
(1.1.2) $y'(x) = a(x)b(y)$. Direct integration gives the general solution $\int \frac{1}{b(y)} dy = \int a(x) dx + c_1$ (1.1.3) where c_1 is a constant of integration. [The notation $\int a(x) dx$ stands for the antiderivative of $a(x)$.]

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Advanced Mathematical Methods for Scientists and Engineers I: Asymptotic Methods and Perturbation Theory

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Mathematical Methods in Engineering and Science Matrices and Linear Transformations 22, Matrices Geometry and Algebra Linear Transformations Matrix Terminology Geometry and Algebra Operating on point x in R^3 , matrix A transforms it to y in R^2 . Point y is the image of point x under the mapping defined by matrix A .

Mathematical Methods in Engineering and Science

Format: Hardcover The late Donald McQuarrie's Mathematical Methods for Scientists and Engineers is a masterpiece! I have used the text for my graduate mathematical methods course for engineers for four years at Howard University and I have also used Arfken and Weber's Mathematical Methods for Physicists

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