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

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Pedagogical insights gained through 30 years of teaching applied mathematics led the author to write this set of student-oriented books. Topics such as complex analysis, matrix theory, vector and tensor analysis, Fourier analysis, integral transforms, ordinary and partial differential equations are presented in a discursive style that is readable and easy to follow.

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