

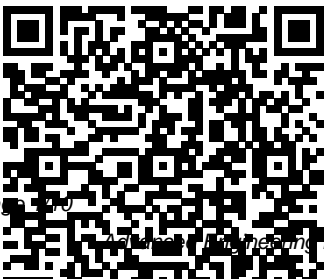
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covers many areas such as differential equations, linear algebra, complex analysis, numerical methods, probability, and more. **Advanced Engineering Mathematics, A Self-Contained Introduction (Maple Computer Guide)** Jones & Bartlett Learning

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occasionally replaced by linear algebra or vector calculus. Sturm-Liouville problem and special functions (Legendre and Bessel functions) are included for completeness. Topics such as z-transforms and complex variables are now offered in a companion book, *Advanced Engineering Mathematics: A Second Course* by the same author. MATLAB is still employed to reinforce the concepts that are taught. Of course, this Edition continues to offer a wealth of examples and applications from the scientific and engineering literature, a highlight of previous editions. Worked solutions are given in the back of the book. *Advanced Engineering Mathematics* John Wiley & Sons  
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