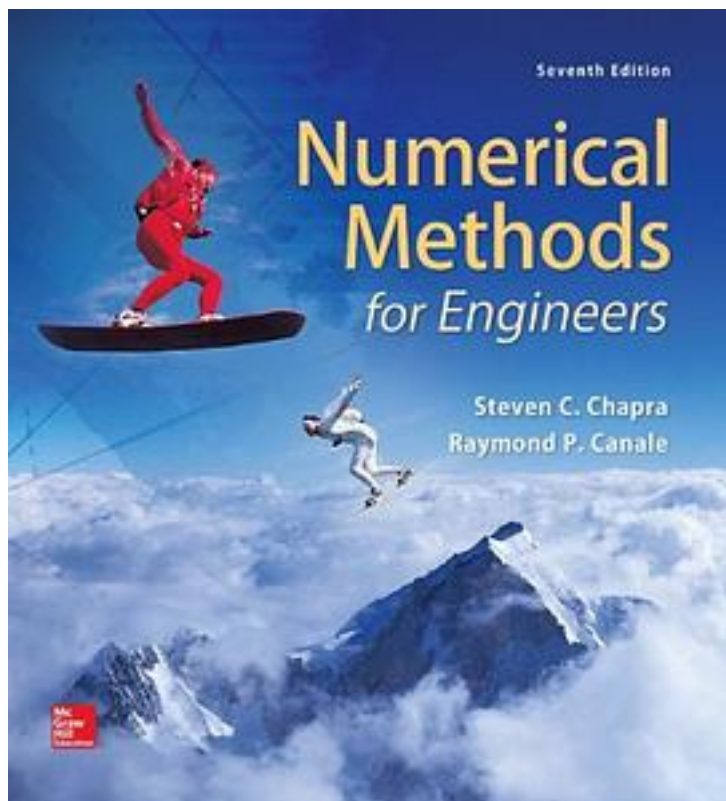


Numerical Methods for Engineers



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Instructors love "Numerical Methods for Engineers" because it makes teaching easy! Students love it because it is written for them - with clear explanations and examples throughout. The text features a broad array of applications that span all engineering disciplines. The sixth edition retains the successful instructional techniques of earlier editions. Chapra and Canale's unique approach opens each part of the text with sections called Motivation, Mathematical Background, and Orientation. This prepares the student for upcoming problems in a motivating and engaging manner. Each part

closes with an Epilogue containing Trade-Offs, Important Relationships and Formulas, and Advanced Methods and Additional References. Much more than a summary, the Epilogue deepens understanding of what has been learned and provides a peek into more advanced methods. Approximately 20 percent of the problems are new or revised in this edition. The expanded breadth of engineering disciplines covered is especially evident in the problems, which now cover such areas as biotechnology and biomedical engineering. Users will find use of software packages, specifically MATLAB[registered], Excel[registered] with VBA and Mathcad[registered]. This includes material on developing MATLAB[registered] m-files and VBA macros.

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