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ADVANCED ENGINEERING MATHEMATICS - GBV

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mathematics This has resulted in a change from a formula-centered teaching and learning of engineering mathematics to a more quantitative, project-oriented, and visual approach CAS experiments also exhibit the computer as an instrument for observations and experimentations that may become the beginnings of new research, for “proving” or

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in MATLAB, including square systems, overdetermined systems, and underdetermined systems Inverses and Determinants (p 1-23) Explains the use in MATLAB of inverses, determinants, and pseudoinverses in the solution of systems of linear equations Cholesky, LU, and QR Factorizations (p 1-28) Discusses the solution in MATLAB of systems of linear

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Matlab: a Practical Introduction to

MATLAB, with a chapter or two on some programming concepts, and those that cover only the programming constructs without mentioning many of the built-in functions that make MATLAB efficient to use Someone who learns just the built-in functions will be well-prepared to use MATLAB, but would not understand basic programming concepts

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