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mastering matlab 8 covers the essential aspects of matlab presented in an easy to follow learn while doing tutorial format it is appropriate for undergraduate and graduate courses in matlab as a reference in courses where matlab is used or as a self study reference

matlab third edition is the only book that gives a full introduction to programming in matlab combined with an explanation of the software s powerful functions enabling engineers to fully exploit its extensive capabilities in solving engineering problems the book provides a systematic step by step approach building on concepts throughout the text facilitating easier learning sections on common pitfalls and

programming guidelines direct students towards best practice the book is organized into 14 chapters starting with programming concepts such as variables assignments input output and selection statements moves onto loops and then solves problems using both the programming concept and the power of matlab side by side in depth coverage is given to input output a topic that is fundamental to many engineering applications vectorized code has been made into its own chapter in order to emphasize the importance of using matlab efficiently there are also expanded examples on low level file input functions graphical user interfaces and use of matlab version r2012b modified and new end of chapter exercises improved labeling of plots and improved standards for variable names and documentation this book will be a valuable resource for engineers learning to program and model in matlab as well as for undergraduates in engineering and science taking a course that uses or recommends matlab presents programming concepts and matlab built in functions side by side systematic step by step approach building on concepts throughout the book facilitating easier learning sections on common pitfalls and programming guidelines direct students towards best practice

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still brief but with the chapters that you wanted steven chapra s new second edition is written for engineering and science students who need to learn numerical problem solving this text focuses on problem solving applications rather than theory using matlab throughout theory is introduced to inform key concepts which are framed in applications and demonstrated using matlab the new second edition feature new chapters on numerical differentiation optimization and boundary value problems odes

for undergraduate and graduate courses in matlab or as a reference in courses where matlab is used this text covers all essential aspects of matlab presented within an easy to follow learn while doing tutorial format

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