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starting with an introduction to the numerous features of mathematica this book continues with more complex material it provides the reader with lots of examples and illustrations of how the benefits of mathematica can be used composed of eleven chapters it includes the following a chapter on several sorting algorithms functions planar and solid with many interesting examples ordinary differential equations advantages of mathematica dealing with the pi number the power of mathematica working with optimal control problems introduction to mathematica with applications will appeal to researchers professors and students requiring a computational tool

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this edition has been revised and updated throughout it includes some new chapters it features improved treatment of dynamic programming and greedy algorithms as well as a new notion of edge based flow in the material on flow networks book cover

software design for engineers and scientists integrates three core areas of computing software engineering including

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