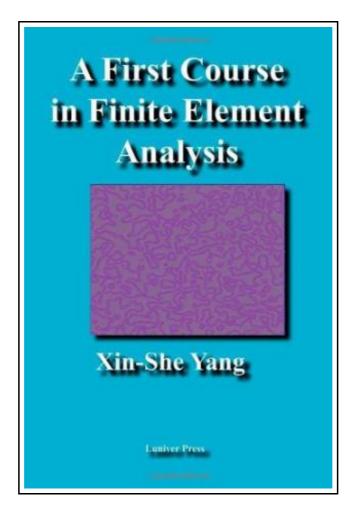
A First Course in Finite Element Analysis



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Reviews

Basically no words to clarify. Of course, it is perform, still an amazing and interesting literature. Its been printed in an exceptionally basic way which is only soon after i finished reading through this ebook where actually altered me, change the way i really believe.

(Newton Runolfsson)

A FIRST COURSE IN FINITE ELEMENT ANALYSIS



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Luniver Press, United Kingdom, 2007. Paperback. Book Condition: New. 224 x 152 mm. Language: English. Brand New Book ***** Print on Demand *****. The book endeavors to strike a balance between mathematical and numerical coverage of a wide range of topics in fi nite element analysis. It strives to provide an introduction, especially for undergraduates and graduates, to fi nite element analysis and its applications. Topics include advanced calculus, differential equations, vector analysis, calculus of variations, fi nite difference methods, fi nite element methods and time-stepping schemes. The book also emphasizes the application of important numerical methods with dozens of worked examples. The applied topics include elasticity, heat transfer, and pattern formation. A few self-explanatory Matlab programs provide a good start for readers to try some of the methods and to apply the methods and techniques to their own modelling problems with some modifi cations. The book will perfectly serve as a textbook in fi nite element analysis, computational mathematics, mathematical modelling, and engineering computations.



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