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Finite Element Method

to assigned problems in Chapters 1 through 14 from the book, An Introduction to the Finite Element Method, Third Edition, McGraw-Hill, New York, 2006. Computer solutions to certain problems of Chapter 8

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(see Chapter 13 problems) are also included at the end of Chapter 8.

An Introduction to The Finite Element Method

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The Finite Element Method: Its Basis and Fundamentals

The Finite Element Method: Its Basis and Fundamentals, Seventh Edition 7th edition by Zienkiewicz, Olek C, Taylor, Robert L, Zhu, J.Z. (2013) Hardcover \$159.45 (6)

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Finite Element Analysis for Engineers - Hanser Publications

Another effective method of dealing with infinite domains is to use the finite element method (FEM) coupled with the boundary element method (BEM). The FEM is used in the interior portions of the problem domain where the problem is very complex, and the BEM is used for the exterior portion that can extend to infinity.

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