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The Finite Element Method: Its Basis and Fundamentals

the Finite Element Method, Third Edition, McGraw—Hill, New York, 2006. Computer solutions to certain problems of Chapter 8 (see Chapter 13 problems) are also included at the end of Chapter 8. The instructor should make an effort to review the problems before assigning them.

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The Finite Element Method in Engineering | ScienceDirect

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Solution Manual A first course in The Finite Element Method

The extended finite element method (XFEM) is a numerical technique based on the generalized finite element method (GFEM) and the partition of unity method (PUM). It extends the classical finite element method by enriching the solution space for solutions to differential equations with discontinuous functions.

Finite element method - Wikipedia

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