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finite element equations. Each of these chapters contains basic information that is related to the finite element method. This chapter is a transition from the theory to the implementation. Its objec tive is to illustrate the steps involved in imple menting the finite element method. This objective is accomplished by obtaining a numerical solu

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The finite element method (FEM), or finite element analysis (FEA), is a computational technique used to obtain approximate solutions of boundary value problemsin engineering. Boundary value problems are also called field problems. The field is the domain of interest and most often represents a physical structure.

### Introduction to Finite Element Analysis (FEA) or Finite ...

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