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### First Course In Finite Elements

A First Course in Finite Elements is the ideal practical introductory course for junior and senior undergraduate students from a variety of science and engineering disciplines. The accompanying advanced topics at the end of each chapter also make it suitable for courses at graduate level, as well as for practitioners who need to attain or refresh their knowledge of finite elements through private study.

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A First Course in Finite Elements General Steps of the Finite Element Method • The finite element method involves modeling the structure using small interconnected elements called finite elements. • A displacement function is associated with each finite element. A First Course in Finite Elements General

## Steps of the Finite Element Method

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