

## <<工程有限元分析>>

### 图书基本信息

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### 内容概要

This textbook presents the necessary concepts , principles and general procedure of Finite Element Method ( FEM ) which are primarily applied for linearly elastic structural analysis including plane problems , axisymmetric problems , space problems , plates and shells and fracture mechanics. The FEM of heat transfer in brief is also incorporated. Some straightforward examples are introduced to demonstrate a complete and detailed finite element procedure. The aim of the text is to provide the fundamental theories and numerical methodology in finite element analysis. It focuses on the derivation of key governing equations of the FEM and its engineering application. This text can be regarded as a text or reference book for the university under- and post-graduate students or engineers whose majors are related to mechanics , aerospace , mechanical and civil engineering , heat transfer and so on.

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