NEiNastran *for Windows*

Building Better Products (Complete Review)

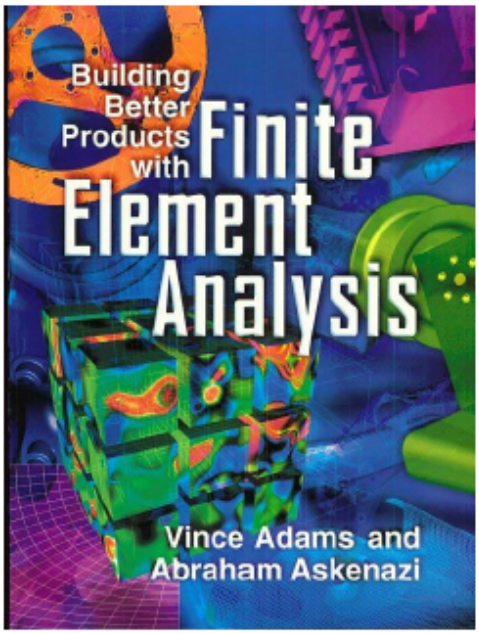
Editorial Reviews

Book Description:

This book offers a practical view of finite element analysis (FEA) by reviewing the basics of design analysis from an engineering perspective. It provides practical guidelines for specific design problems, such as setting boundaries, contact points between parts, sheet metal weldments, plastic components, and other common encounter problems. The book also includes a compilation of data, which is invaluable to the beginning as well as experienced design analyst.

Book Info:

Offers a practical yet comprehensive study of finite element analysis by reviewing the basics of design analysis from an engineering perspective. Provides guidelines for specific design issues, including common encounter problems such as setting boundaries & contact points between parts, sheet metal weldments, & plastic components. Paper. DLC: Finite element method.



Spotlight Reviews

★★★★★ **An excellent resource for both modeling and analysis! October 3, 2001 Reviewer: Silas Curfman from Yakima, WA, USA.** I'm a mechanical engineer and have several other books on FEA, including the Spyrakos book. This is the first one I've seen with information that can help on a day-to-day basis. The fact that the book is not product specific lends a lot to its practicality. It has been an instant hit with my co-workers. An excellent book.

★★★★★ **A must have for any FE analyst, September 20, 2001 Reviewer: Sean O'Donnell from Columbus, IN, USA.** If you are wanting to do any FEA work, then this is a book that you should have by your computer. Written by engineers for engineers, it takes a straightforward approach to FEA. It starts with a basic review of the theory behind FEA, but then goes into the knowledge necessary to do a good analysis. It discusses all aspects of FEA, from its accuracy and what types of error there are, to advanced modeling techniques. Equally good for the beginning FE user and the expert analyst.

★★★★★ **Must Read for FEA users, July 13, 2000 Reviewer: Rohit Ramkumar from Carbondale, IL USA.** WOW! I have been using FEA for sometime now and this book has given me more insight into not only using various software on the market today but also the theoretical aspects involved with modeling and analysis. I have had the book for sometime, but never got a chance to read it until recently, but once I started, I read it from cover to cover and the best part is, it's for everyone, beginner, intermediate or expert... Read it! It is time well spent.

★★★★★ **A MUST HAVE BOOK FOR THOSE INVOLVED WTIH FEA, January 24, 2000 Reviewer: Eric Fong, Singapore.** I have never come across such a book that puts FEA which is such a complex subject in to simple layman terms and explanations. I am working in a CAD/CAM company for 10 years and with this book, I have laid for myself a very strong foundation in FEA, which I dare not touch. I strongly recommend this book to anyone (beginner or expert) to take a look at this impressive book. To the authors: Well done and keep it coming!

Brief Table of Contents