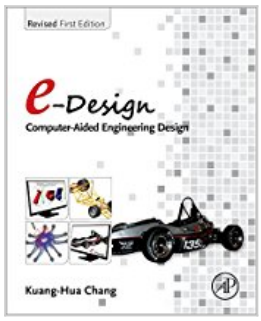

e-Design: Computer-Aided Engineering Design

From Academic Press

e-Design: Computer-Aided Engineering Design From Academic Press

e-Design is the first book to integrate discussion of computer design tools throughout the design process. Through this book, the reader will understand...

- Basic design principles and all-digital design paradigms.
- CAD/CAE/CAM tools available for various design related tasks.
- How to put an integrated system together to conduct All-Digital Design (ADD).
- Industrial practices in employing ADD and tools for product development.

- Provides a comprehensive and thorough coverage on essential elements for practicing all-digital design (ADD)
- Covers CAD/CAE methods throughout the design process, including solid modelling, performance simulation, reliability, manufacturing, cost estimates and rapid prototyping
- Discusses CAD/CAE/CAM/RP/CNC tools and data integration for support of the all-digital design process
- Reviews off-the-shelf tools for support of modelling, simulations, manufacturing, and product data management
- Provides tutorial type projects using ProENGINEER and SolidWorks for readers to exercise design examples and gain hands-on experience
- A series of running examples throughout the book illustrate the practical use of the ADD paradigm and tools

e-Design: Computer-Aided Engineering Design

From Academic Press

e-Design: Computer-Aided Engineering Design From Academic Press

e-Design is the first book to integrate discussion of computer design tools throughout the design process. Through this book, the reader will understand...

- Basic design principles and all-digital design paradigms.
- CAD/CAE/CAM tools available for various design related tasks.
- How to put an integrated system together to conduct All-Digital Design (ADD).
- Industrial practices in employing ADD and tools for product development.

- Provides a comprehensive and thorough coverage on essential elements for practicing all-digital design (ADD)
- Covers CAD/CAE methods throughout the design process, including solid modelling, performance simulation, reliability, manufacturing, cost estimates and rapid prototyping
- Discusses CAD/CAE/CAM/RP/CNC tools and data integration for support of the all-digital design process
- Reviews off-the-shelf tools for support of modelling, simulations, manufacturing, and product data management
- Provides tutorial type projects using ProENGINEER and SolidWorks for readers to exercise design examples and gain hands-on experience
- A series of running examples throughout the book illustrate the practical use of the ADD paradigm and tools

e-Design: Computer-Aided Engineering Design From Academic Press Bibliography

- Original language: English
- Dimensions: .0" h x .0" w x .0" l, .0 pounds
- Binding: Paperback

Editorial Review

About the Author
Dr. Kuang-Hua Chang is a David Ross Boyd Professor and Williams Companies Foundation Presidential Professor for the School of Aerospace and Mechanical Engineering (AME) at the University of Oklahoma. He received his PhD in Mechanical Engineering from the University of Iowa in 1990. His areas of interest include Virtual Prototyping, CAD, Fatigue and Reliability Analysis, Tools and Information Integration for Concurrent Design and Manufacturing, Solid Freeform Fabrication, and bioengineering applications. His research has been published in eight books and more than 150 articles in international journals and conference proceedings.

Users Review

From reader reviews:

Barbara Stewart:

Have you spare time for just a day? What do you do when you have considerably more or little spare time? Yeah, you can choose the suitable activity with regard to spend your time. Any person spent their particular spare time to take a go walking, shopping, or went to often the Mall. How about open or even read a book eligible e-Design: Computer-Aided Engineering Design? Maybe it is for being best activity for you. You recognize beside you can spend your time along with your favorite's book, you can cleverer than before. Do you agree with its opinion or you have other opinion?

Vincent Ashworth:

Reading a reserve can be one of a lot of activity that everyone in the world enjoys. Do you like reading book thus. There are a lot of reasons why people enjoyed. First reading a reserve will give you a lot of new information. When you read a publication you will get new information because book is one of several ways to share the information or their idea. Second, reading through a book will make an individual more imaginative. When you studying a book especially fictional works book the author will bring you to imagine the story how the character types do it anything. Third, you can share your knowledge to others. When you read this e-Design: Computer-Aided Engineering Design, you may tells your family, friends along with soon about yours book. Your knowledge can inspire the others, make them reading a guide.

Bridget Dell:

A lot of people always spent all their free time to vacation or perhaps go to the outside with them friends and family or their friend. Did you know? Many a lot of people spent many people free time just watching TV, or perhaps playing video games all day long. If you would like try to find a new activity that's look different you can read some sort of book. It is really fun for you personally. If you enjoy the book which you read you can spent all day long to reading a book. The book e-Design: Computer-Aided Engineering Design it is quite good to read. There are a lot of those who recommended this book. These people were enjoying reading this

book. In the event you did not have enough space to create this book you can buy the actual e-book. You can m0ore very easily to read this book out of your smart phone. The price is not very costly but this book has high quality.

Robert Alcock:

Do you like reading a book? Confuse to looking for your selected book? Or your book has been rare? Why so many query for the book? But virtually any people feel that they enjoy for reading. Some people likes examining, not only science book and also novel and e-Design: Computer-Aided Engineering Design as well as others sources were given know-how for you. After you know how the fantastic a book, you feel would like to read more and more. Science publication was created for teacher or even students especially. Those textbooks are helping them to put their knowledge. In different case, beside science reserve, any other book likes e-Design: Computer-Aided Engineering Design to make your spare time a lot more colorful. Many types of book like here.

Read e-Design: Computer-Aided Engineering Design From Academic Press for online ebook

e-Design: Computer-Aided Engineering Design From Academic Press Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read e-Design: Computer-Aided Engineering Design From Academic Press books to read online.

Online e-Design: Computer-Aided Engineering Design From Academic Press ebook PDF download

e-Design: Computer-Aided Engineering Design From Academic Press Doc

e-Design: Computer-Aided Engineering Design From Academic Press Mobipocket

e-Design: Computer-Aided Engineering Design From Academic Press EPub