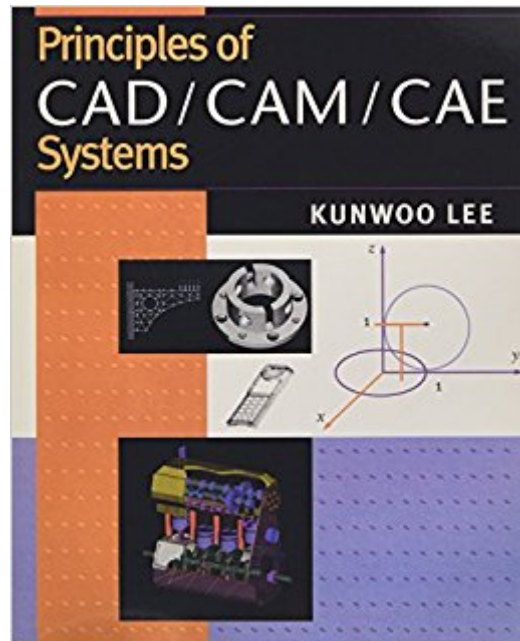




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Principles Of CAD/CAM/CAE



Synopsis

The book also features a unique illustration of the whole product development process through a practical case study that gives readers a clear idea how CAD, CAM, and CAE systems are integrated to accelerate the product development process. This book is carefully targeted toward today's students; topics are introduced in a concise, efficient manner, with mathematical terminology that is kept to a minimum. A background in programming, calculus, and matrix and vector algebra is helpful when using this text.

Book Information

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Customer Reviews

An Introduction to CAD/CAM/CAE is a timely text with coverage of many modern topics, including: rapid prototyping, virtual engineering, NT-based solid modeling systems, and Web-related issues. This book provides balanced coverage of CAD/CAM (with slightly more emphasis on CAD topics) and bonus coverage of computer-aided engineering (CAE). This book's emphasis on the integration of three related disciplines-CAD, CAM, and CAE-makes it a great theoretical introduction to all subjects from geometric representation to the most sophisticated CAE subjects. Many illustrations and references ground the theory in practical examples. The book also features a unique illustration of the whole product development process through a practical case study that gives readers a clear idea how CAD, CAM, and CAE systems are integrated to accelerate the product development process. This book is carefully targeted toward today's students; topics are introduced in a concise, efficient manner, with mathematical terminology that is kept to a minimum. A background in

programming, calculus, and matrix and vector algebra is helpful when using this text.

Kunwoo Lee is professor at the School of Mechanical and Aerospace Engineering at Seoul National University, Seoul, Korea. He previously was a professor at the University of Illinois at Urbana-Champaign and a visiting professor at the Massachusetts Institute of Technology. His research specializes in geometric modeling and its application to design and manufacturing automation. The author can be contacted directly at kunwoo@cad.snu.ac.kr and <http://www.cad.snu.ac.kr>.

Personally, I thought this book was pretty good. It complimented what was covered in lecture very well. The first couple of chapters seemed a little useless and dated, but the meat of the book is really good. I remember the examples being very useful.

This book is very good

I used this text in my first CAD/CAM class (2001!) and it was already being outdated then. But it is the BEST overview of CAD/CAM/CAE I have ever read; The math and theory is there, yet without being hugely detailed on research. But, it simply is no longer updated and that is a shame.

In my view this book contains very interesting and practical topic about CAD/CAM/CAE in various area.

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