



Rapid Prototyping: Principles and Applications

By Rafiq I. Noorani

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Rapid prototyping is a faster, more cost-effective method for building prototypes from three-dimensional computer-aided design (CAD) drawings. *Rapid Prototyping* provides a fundamental overview of the general manufacturing process and presents the principles and applications of designing and fabricating parts in a format that makes learning easy. This user-friendly text features basic information on layered manufacturing processes, the essential vocabulary of nomenclature, numerous review exercises, case studies, a full section of rapid prototyping applications, helpful material for further study, applications to real-world problems, and more.

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Editorial Review

From the Back Cover

Rapid prototyping is a faster, more cost-effective method for building prototypes from three-dimensional computer-aided design (CAD) drawings. Rapid Prototyping provides a fundamental overview of the general manufacturing process and presents the principles and applications of designing and fabricating parts in a format that makes learning easy. This user-friendly text clearly covers the rapid prototyping process for students and can also be used as a reference in a new product design and process development.

Packed with real-world problems and case studies, Rapid Prototyping features:

- Basic information on layered manufacturing processes, the essential vocabulary to be conversant in nomenclature and widely recognized acronyms, and numerous review exercises
- A full section of applications to stimulate both discussion and outside research on the ever-expanding arena of rapid prototyping applications
- Essential information for potential users of the rapid prototyping technology in an academic or industrial setting, including helpful material for further study and applications to real-world problems

Rapid Prototyping is the perfect introductory book for design engineers in manufacturing, government organizations, and associations; researchers at universities and government labs; and students.

About the Author

RAFIQ NOORANI, PhD, is a professor in the Department of Mechanical Engineering at Loyola Marymount University in Los Angeles, California.

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