



Mechanism Design: Analysis and Synthesis: Vol. 1

By Arthur G. Erdman, George N. Sandor

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This introduction to modern mechanism design focuses on theoretical foundations and on computer implementation and computer-aided design. This edition presents a building block approach to mechanism design; provides examples of mechanism tasks; explores the mechanism design process; revises the section on planetary gear trains; and streamlines the introduction to analytical synthesis - adding a design example and down-playing the complex-number method. It also includes a CD-ROM with animations of real and computer-generated mechanisms, as well as many more chapter-end problems drawn from industry, patents and other practical situations.

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Editorial Review

From the Publisher

This thorough and comprehensive introduction to modern mechanism design focuses on theoretical foundations and on computer implementation and computer-aided design.

From the Back Cover

This thorough and comprehensive introduction to modern mechanism design focuses on theoretical foundations and on computer implementation and computer-aided design. Exploring all material both graphically and analytically, this book covers kinematics, mechanisms, and dynamics. Graphically-based methods are grouped together followed by analytical and computer-based solutions. This edition includes a CD-ROM with animations of real and computer-generated mechanisms.

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