



# Theory of Machines and Mechanisms

By John Uicker, Gordon Pennock, Joseph Shigley

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*Theory of Machines and Mechanisms* provides a text for the complete study of displacements, velocities, accelerations, and static and dynamic forces required for the proper design of mechanical linkages, cams, and geared systems. The authors present the background, notation, and nomenclature essential for students to understand the various independent technical approaches that exist in the field of mechanisms, kinematics, and dynamics.

Now fully revised in its fourth edition, this text is ideal for senior undergraduate or graduate students in mechanical engineering who are taking a course in kinematics and/or machine dynamics.

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About the Author

John J. Uicker, Jr., is Professor Emeritus of Mechanical Engineering at the University of Wisconsin-Madison.

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The late Joseph E. Shigley was Professor Emeritus of Mechanical Engineering at the University of Michigan.

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