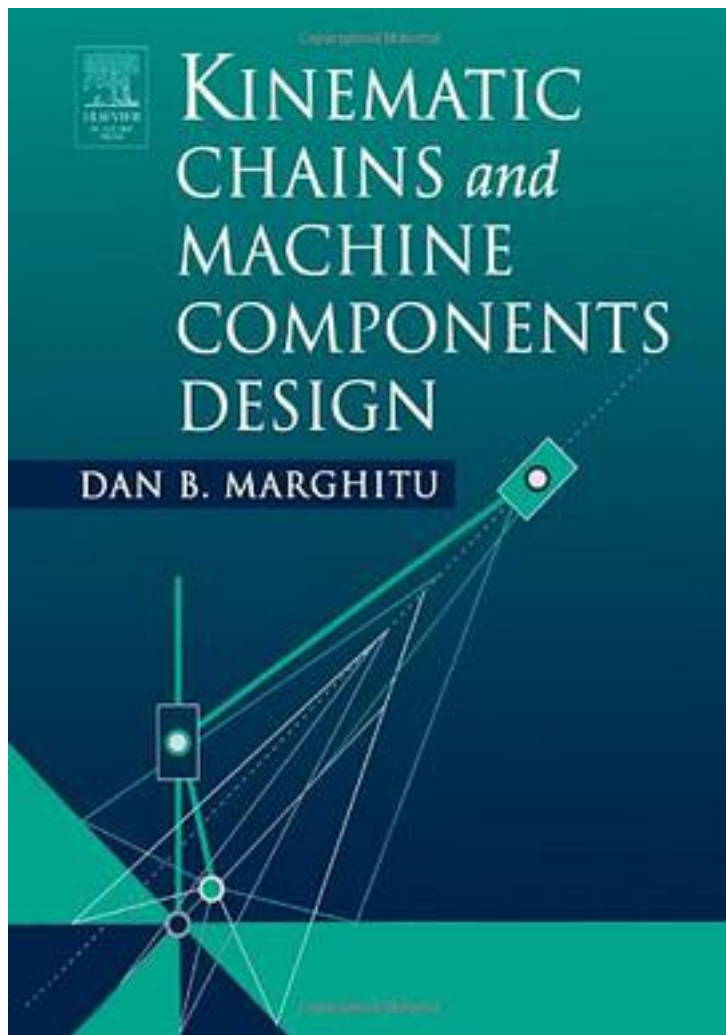


# Kinematic Chains and Machine Components Design



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"Kinematic Chains and Machine Components Design" covers a broad spectrum of critical machine design topics and helps the reader understand the fundamentals and apply the technologies necessary for successful mechanical design and execution. The inclusion of examples and instructive problems present the reader with a teachable computer-oriented text. Useful analytical techniques provide the practitioner and student with powerful tools for the design of kinematic chains and machine components. "Kinematic Chains and Machine Components Design" serves as a on-volume reference for engineers and students in mechanical engineering with applications for all engineers working in the fields of machine design and robotics. The book contains the fundamental laws and theories of science basic to mechanical engineering including mechanisms, robots and machine components to provide the reader with a thorough understanding of mechanical design. It combines theories of kinematics and behavior of mechanisms with the practical design of robots, machine parts, and machine systems into one comprehensive mechanical design book. It offers the method of contour equations for the kinematic analysis of mechanical systems and dynamic force analysis. Mathematica programs and packages for the analysis of mechanical systems are included. An Instructor's Solutions Manual will be provided.

作者介绍:

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