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Nota di contenuto	Front Cover; Kinematic Chains and Machine Components Design; Copyright Page; Table of Contents; Preface; About the Author; Part I: Kinematic Chains; Chapter I.1 Introduction; Chapter I.2 Fundamentals; Chapter I.3 Position Analysis; Chapter I.4 Velocity and Acceleration Analysis; Chapter I.5 Contour Equations; Chapter I.6 Dynamic Force Analysis; Chapter I.7 Simulation of Kinematic Chains with Mathematica™; Chapter I.8 Packages for Kinematic Chains; Chapter I.9 Simulation of Kinematic Chains with Working Model; Part II: Machine Components; Chapter II.1 Stress and Deflection Chapter II.2 Fatigue Chapter II.3 Screws; Chapter II.4 Rolling Bearings; Chapter II.5 Lubrication and Sliding Bearings; Chapter II.6 Gears; Chapter II.7 Mechanical Springs; Chapter II.8 Disk Friction and Flexible Belts; References; Index
Sommario/riassunto	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
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