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Sommario/riassunto

This book provides a fundamental knowledge of robotic grasping and fixturing (RGF) manipulation. For RGF manipulation to become a science rather than an art, the content of the book is uniquely designed for a thorough understanding of the RGF from the multifingered robot hand grasp, basic fixture design principle, and evaluating and planning of robotic grasping/fixturing, and focuses on the modeling and applications of the RGF. Compared with existing publications, this volume concentrates more on abstract formulation, i.e. mathematical modeling of robotic grasping and fixturing. Thus, it will