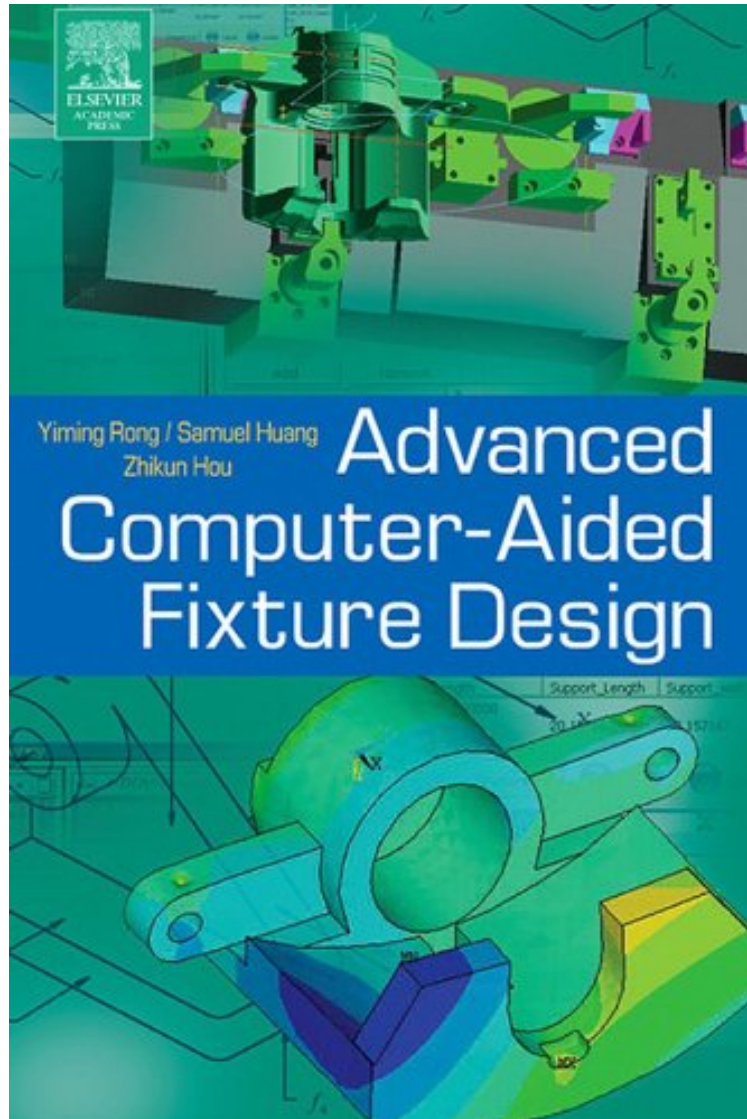


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Advanced Computer-Aided Fixture Design

Von Yiming (Kevin) Rong

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KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Standard reference in the CAFD fieldVon ThomasGives both a good overview of and details about CAFD research and sums up

the work of the author's group.

Kurzbeschreibung Fixtures--the component or assembly that holds a part undergoing machining--must be designed to fit the shape of that part and the type of machining being done. This book discusses the fundamentals of Computer-Aided Fixture Design (CAFD) techniques and covers fixture planning, fixture design (both modular and dedicated fixtures), fixture design verifications, and the overall integration with CAD/CAM. The book shows how CAFD may lead to a significant reduction of product and process development time and production cost, and how CAFD can increase quality assurance through simulation and science-based technical specification and cost estimation in business quoting, especially in current supplier-based manufacturing. It also provides case study examples. This book provides a total solution of CAFD, including planning, design, and design verification. Practical and comprehensive theoretical analysis of fixturing from real industrial application projects. Introduces the integration of fixture design and analysis with CAD/CAM so that detailed geometric information can be processed and complex fixture designs can be designed and analyzed.

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