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Advanced Computer-Aided Fixture Design - 1st Edition

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A desktop virtual reality-based interactive modular fixture configuration design system. Computer Aided Design. Google Scholar [36] Senthil Kumar,

A., Fuh, J.Y.H. and Kow, T.S., An automated design and assembly of interference-free modular fixture setup. Computer-Aided Design. v32 i10. 583-596. Google Scholar

Computer aided fixture design: Recent research and trends ...

In this paper, a literature survey of computer aided fixture design and automation over the past decade is proposed. First, an introduction is given on the fixture applications in industry. Then, significant works done in the CAFD field, including their approaches, requirements and working principles are discussed.

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8.7 Procedure of Fixture Design 354. 8.8 Computer Aided Fixture Design 357. 8.8.1 Fixture Design Library 357. 8.8.2 Interference Detection 359. 8.8.3 Accessibility Analysis 360. 8.8.4 Analysis of Deformation and Accuracy 361. 8.9 Summary 361. 8.10 Design Projects 362. References 363. 9 Computer Aided Manufacturing (CAM) 367. 9.1 Introduction 367

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Show all. Author Bios. Zhuming Bi, PhD, is a Professor in the Department of Civil and Mechanical Engineering at Purdue University in Fort Wayne, Indiana, USA. He has over 30 years of experience in Computer Aided Design and Manufacturing (CAD/CAM).

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Advanced Computer-Aided Fixture Design discusses the fundamentals of Computer-Aided Fixture Design (CAFD) techniques and covers fixture planning, the design of both modular and dedicated fixtures, and the integration with CAD/CAM. The book uses case studies to introduce the applications of CAFD to industry, and shows how CAFD may lead to a ...

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