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Engineering : Control , Robotics, Mechatronics

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Parallel PnP Robots

Parametric Modeling, Performance Evaluation and Design Optimization

- Details industrial applications and concrete design optimization of parallel PnP robots
- Includes modeling examples and graphical representations of performance evaluations of current 2/3/4/5/6-dof industrial parallel robots
- Offers the uniform modeling procedure of the important performance criteria of parallel robotics

This book discusses the parametric modeling, performance evaluation, design optimization and comparative study of the high-speed, parallel pick-and-place robots. It collects the modeling methodology, evaluation criteria and design guidelines for parallel PnP robots to provide a systematic analysis method for robotic developers. Furthermore, it gathers the research results previously scattered in many prestigious international journals and conference proceedings and methodically edits them and presents them in a unified form. The book is of interest to researchers, R&D engineers and graduate students in industrial parallel robotics who wish to learn the core principles, methods, algorithms, and applications.

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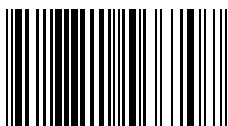
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