

Design and Optimization of Mechanical Engineering Products

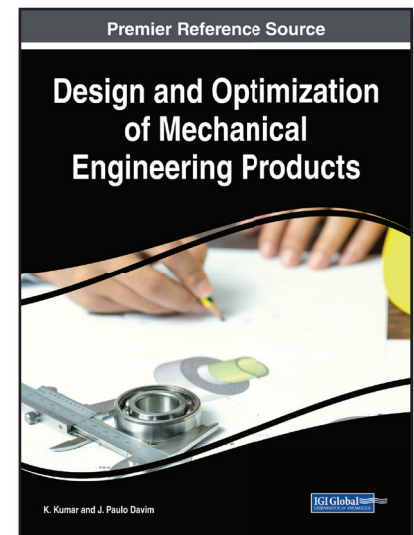
Part of the Advances in Mechatronics and Mechanical Engineering Book Series

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Description:

The success of any product sold to consumers is based, largely, on the longevity of the product. This concept can be extended by various methods of improvement including optimizing the initial creation structures which can lead to a more desired product and extend the product's time on the market.

Design and Optimization of Mechanical Engineering Products is an essential research source that explores the structure and processes used in creating goods and the methods by which these goods are improved in order to continue competitiveness in the consumer market. Featuring coverage on a broad range of topics including modeling and simulation, new product development, and multi-criteria decision making, this publication is targeted toward students, practitioners, researchers, engineers, and academicians.



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Topics Covered:

- Composite Prototype Development
- Free Vortex Theory
- Modeling and Simulation
- Multi-Criteria Decision Making
- New Product Development
- Process Simulations
- Reverse Engineering

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