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3. Decision Support under Uncertainty; 3.1. Decision support in design; 3.1.1. Decision support; 3.1.2. Modeling decision support; 3.1.3. Multi-criteria decision analysis (MCDA); 3.1.4. Conclusion; 3.2. Summary and conclusion; 3.2.1. Three perspectives; 3.2.2. Challenges in engineering science; 3.2.3. Industrial issues; Bibliography; Index

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Sommario/riassunto

Science is a quest for certainty, but lack of certainty is the driving force behind all of its endeavors. This book, specifically, examines the uncertainty of technological and industrial science. Uncertainty and Mechanics studies the concepts of mechanical design in an uncertain setting and explains engineering techniques for inventing cost-effective products. Though it references practical applications, this is a book about ideas and potential advances in mechanical science.

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