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Nota di contenuto	Multi-Criteria based Selection of Ship-Based Ballast Water Treatment Technologies -- A Two-Phase Sampling Approach for Reliability-based Optimization in Structural Engineering -- Moment Estimation-Based Method of Motion Accuracy Reliability Analysis for Industrial Robots -- Reliability of Wireless Body Area Networks -- Sensitivity Estimation of Markov Reward Models and Its Applications to Component Importance Analysis -- Failure Rate Modeling of Mechanical Components and

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Sommario/riassunto

This comprehensive book brings together the latest developments in reliability and maintainability methods from leading research groups globally. Covering a diverse range of subject areas, from mechanical systems to cyber-physical systems, the book offers both theoretical advancements and practical applications in various industries. With a focus on reliability modelling, reliability analysis, reliability design, maintenance optimization, warranty policy, prognostics and health management, this book appeals to academic and industrial professionals in the field of reliability engineering and beyond. It features real-world case studies from turbofan engines bearings, industrial robots, wireless networks, aircraft actuation systems, and more. This book is ideal for engineers, scientists, and graduate students in reliability, maintainability, design optimization, prognostics and health management, and applied probability and statistics.
