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Nota di contenuto	Introduction to Computational Mathematics in Industrial Systems -- Mathematical Models for Industrial System Reliability -- Maintenance Strategies and Optimization Techniques -- Computational Tools and Techniques for Reliability and Maintainability -- Reliability-Centered Design and System Resilience -- Integration of Computational Mathematics in Industrial Decision-Making -- Integration of IoT and Edge Computing in Industrial Systems -- Application of Quantum Computing in Reliability Analysis -- Digital Twins and Virtual Prototyping for Industrial Systems -- Augmented Reality (AR) and Virtual Reality (VR) in Maintenance Training -- Synthesizing Computational Mastery and Industrial Evolution - A Comprehensive. .
Sommario/riassunto	This book is a comprehensive exploration of computational

mathematics and its impact on enhancing the reliability and maintainability of industrial systems. With its careful blend of theoretical foundations, practical applications, and future perspectives, this book is a vital reference for researchers, engineers, and professionals seeking to optimize industrial systems' performance, efficiency, and resilience.
