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Sommario/riassunto	David Whitehouse, known as the father of digital metrology, helped pioneer the use of nanotechnology in surface science and surface metrology, and he continues to move the field forward. In this heavily revised and expanded edition, he addresses the many paradigm shifts occurring in the field. He explains the incorporation of physics to develop optimum solutions for manufacture and performance, and provides mechanical engineers with accessible explanations of essential concepts along with the higher mathematics that is now required of those working in the field. Emphasis is placed on systems w