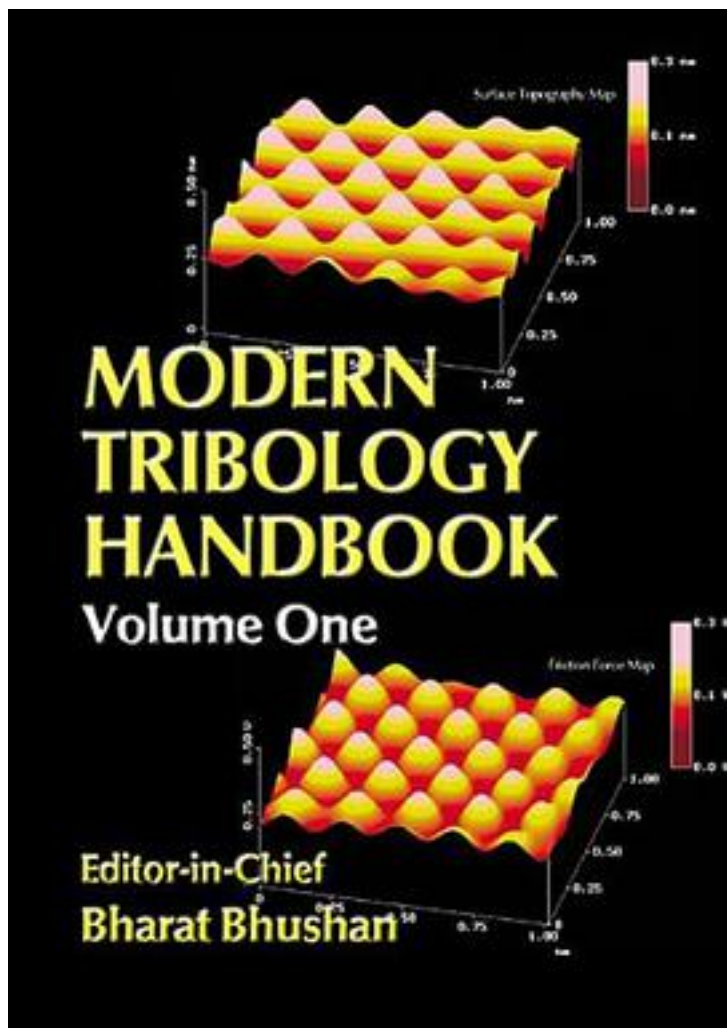


Modern Tribology Handbook, Two Volume Set



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Recent research has led to a deeper understanding of the nature and consequences of

interactions between materials on an atomic scale. The results have resonated throughout the field of tribology. For example, new applications require detailed understanding of the tribological process on macro- and microscales and new knowledge guides the rational design of material for these applications. A two volume set, the "Modern Tribology Handbook" reports on the current state-of-the-field as it reflects these developments, including all industrial applications. In the "Modern Tribology Handbook" you will get: a thorough review of the basic concepts of contact, friction, wear, and lubrication; comprehensive coverage of experimental studies; the fascinating subject of molecular dynamics simulations; an exploration of both conventional and new tribological materials; knowledge of the advantages and limitations of ceramics, diamond-like carbon and related films, and a wide range of coating composites; a section devoted to industrial components and systems; and, conventional tribology has become well established in the past fifty years but few handbooks that exist are dated. The rapid evolution of micro- and nanotribology will cause it to take center stage for the next decade, but much of the new information has not made it into the hands that need to use it. Extensively illustrated and well-researched, "The Modern Tribology Handbook" gives you comprehensive information on conventional topics and, more importantly, emphasizes all industrial applications, including the fundamentals of the emerging field of micro-and nanotribology.

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