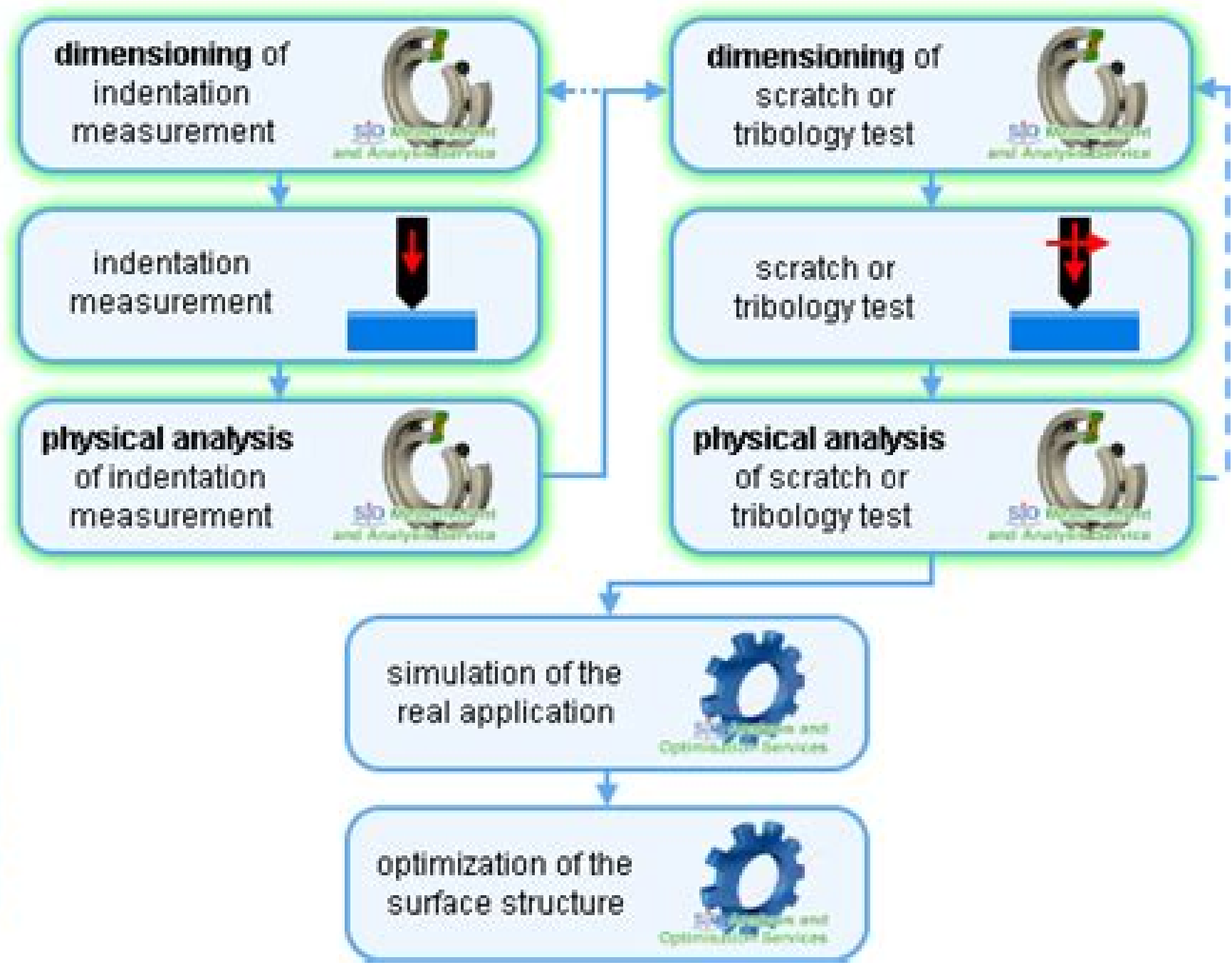


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Surface Mechanics

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diagnosis of their effective characteristics frequency intervals of effective energetic cutting and passing as well as effective regimes of damage evaluation by the acoustic methods

The Art of Surface Science: Unveiling the Secrets of Matter Pasquale De Marco, Embark on a captivating journey into the realm of surface science where the secrets of matter unfold at the atomic level Discover the fundamental principles advanced techniques and wide ranging applications that shape this dynamic field In this comprehensive guide you will delve into the world of surfaces exploring their unique properties and behaviors Uncover the intricate dance of atoms and molecules at interfaces and gain insights into the forces that govern their interactions With its interdisciplinary approach surface science encompasses physics chemistry materials science and engineering Together these disciplines unravel the mysteries of surfaces leading to breakthroughs in diverse fields from the development of advanced materials to the miniaturization of electronic devices Written in an engaging and accessible style this book provides a comprehensive overview of surface science suitable for both students and researchers alike Delve into chapters covering surface structure thermodynamics electronic properties and more Explore the cutting edge techniques used to probe and manipulate surfaces unlocking their potential for innovation Whether you are seeking to expand your knowledge fuel your research endeavors or simply satisfy your curiosity about the hidden world of surfaces this book is your gateway to understanding this fascinating field Discover the power of surface science and its profound impact on our understanding of the world around us Join the ranks of those who are pushing the boundaries of science and technology unlocking the potential of surfaces to shape a better future Delve into the pages of this book and embark on a journey that will transform your perspective on the world of matter If you like this book write a review

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Multiscale Dissipative Mechanisms and Hierarchical Surfaces Michael Nosonovsky, Bharat Bhushan, 2008-06-21 Multiscale Dissipative Mechanisms and Hierarchical Surfaces covers the rapidly developing topics of hierarchical surfaces

roughness induced superhydrophobicity and biomimetic surfaces The research in these topics has been progressing rapidly in the recent years due to the advances in the nanosciences and surfaces science and due to potential applications in nanotechnology The first in its field this monograph provides a comprehensive review of these subjects and presents the background introduction as well as recent and new results in the area Information Circular ,1961

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