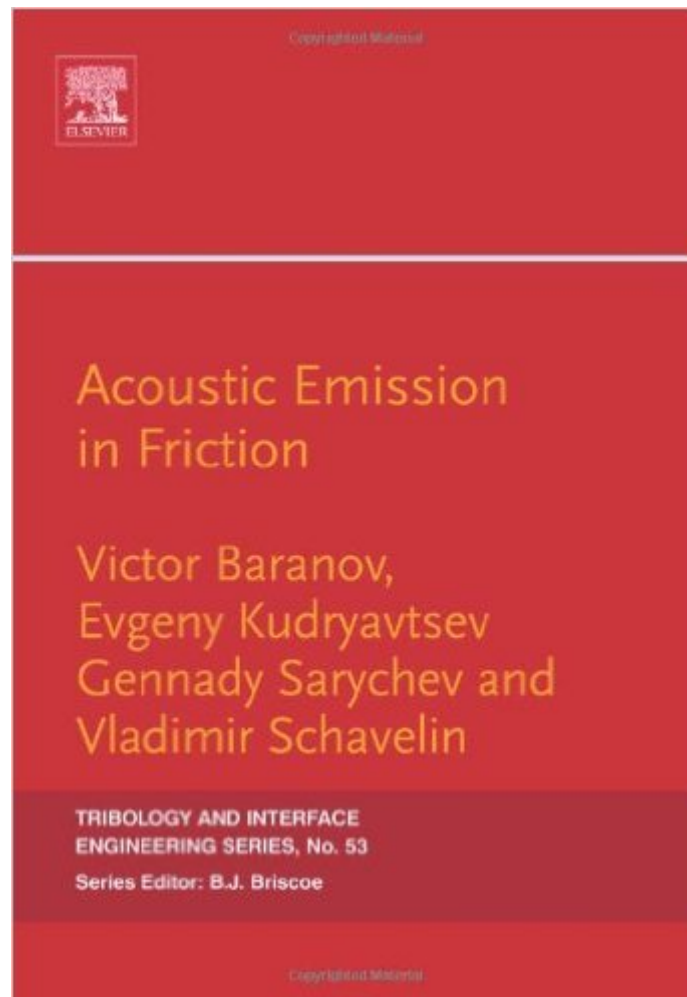


The book was found

Acoustic Emission In Friction, Volume 53 (Tribology And Interface Engineering)



Synopsis

Acoustic Emission in Friction is devoted to acoustic, mainly ultrasonic, emission that occurs in friction of machine components. Its crucial novelty is in systematizing the advances in its use for monitoring technical systems, especially in the important nuclear power industry. Written by four well-known experts from the main nuclear research university in Russia, this book covers the following areas: * All the sources of acoustic emission in friction. * The theory of acoustic emission. * The effects of surface conditions, load and velocity on acoustic emission. * The equipment for registration and monitoring of acoustic emission. * Unique data from acoustic emission control under various testing conditions in friction units of machinery for nuclear industry machinery. There is much emphasis on the comparatively new and rapidly developing tribology of nuclear power engineering. Although a substantial part of the experimental data relates to this specific field of engineering, the universality of the method is shown and its application is possible wherever the field inspection of friction units is necessary. * Calculation expressions describing main characteristics of AE registered in friction units* Describes new set-ups for studying the tribological behaviour of nuclear engineering materials* Presents the theory of the acoustic emission method in friction units

Book Information

Series: Tribology and Interface Engineering (Book 53)

Hardcover: 232 pages

Publisher: Elsevier Science; 1 edition (April 9, 2007)

Language: English

ISBN-10: 0080451500

ISBN-13: 978-0080451503

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,009,669 in Books (See Top 100 in Books) #62 inÂ Books > Engineering & Transportation > Engineering > Mechanical > Tribology #1627 inÂ Books > Engineering & Transportation > Engineering > Mechanical > Machinery #3099 inÂ Books > Science & Math > Physics > Dynamics

[Download to continue reading...](#)

Acoustic Emission in Friction, Volume 53 (Tribology and Interface Engineering) Tribology of

Polymeric Nanocomposites, Second Edition: Friction and Wear of Bulk Materials and Coatings (Tribology and Interface Engineering) Tribology in Electrical Environments, Volume 49 (Tribology and Interface Engineering) Tribochemistry of Lubricating Oils, Volume 45 (Tribology and Interface Engineering) Engineering Tribology (Tribology Series) Tribology in Metalworking: Friction, Lubrication and Wear Introduction to Tribology (Tribology in Practice Series) Friction Science and Technology (Dekker Mechanical Engineering) Semiconductor Device and Failure Analysis : Using Photon Emission Microscopy Greek Musical Writings: Volume 2, Harmonic and Acoustic Theory (Cambridge Readings in the Literature of Music) Positron Emission Tomography with Computed Tomography (PET/CT) Emission Computed Tomography: Current Trends Engineering Tribology, Third Edition Engineering Tribology Engineering Tribology, Fourth Edition Sliding Friction: Physical Principles and Applications (NanoScience and Technology) The Friction and Lubrication of Solids (The International Series of Monographs on Physics) (v. 1) Friction and Wear of Materials Acoustic Absorbers and Diffusers: Theory, Design and Application Acoustic Guitar Making: How to make Tools, Templates, and Jigs

[Dmca](#)