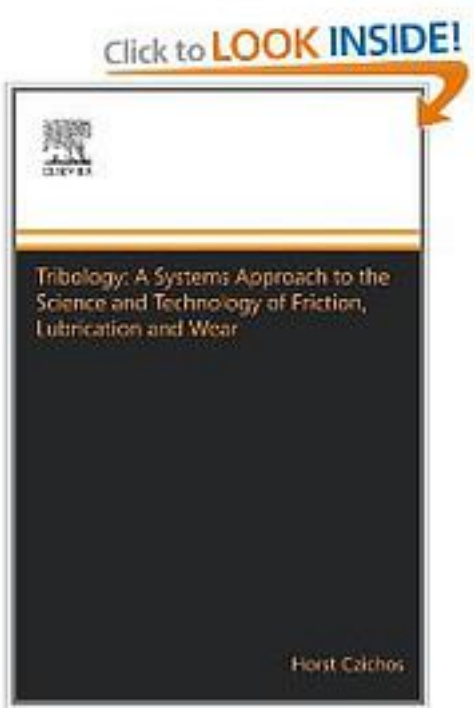
Tribology



Tribology_下载链接1_

著者:Kragelsky, I. V./ Alisin, V. V.

出版者:

出版时间:

装帧:

isbn:9781860582882

An important volume in the "Tribology in Practice Series" (TIPS). This classic work edited by the world-renowned tribologist Professor Kragelsky, has been updated by Professor Nikolai Myshkin and Dr Mark Petrokovets to provide a valuable and unique reference source. The extra data, along with the original material, make this book an essential for all tribologists. "Tribology - Lubrication, Friction and Wear" is comprehensive and authoritative. It brings together information that is unavailable elsewhere. Much of the information is in a form directly useable by engineers involved with design and troubleshooting on tribological devices. The information is very practical in nature and directly useful to all engineering designers and tribologists.

COMPLETE CONTENTS: Series, Editors' Foreword. About this book. Preface. Notation. Chapter 1. The contact of solid. Chapter 2. Calculation of coefficients of external frictionand preliminary displacement. Chapter 3. Calculation of wear rate. Chapter 4. Calculation of tribological joints for wear. Chapter 5. Choice of material for rubbing parts. Chapter 6. Metals for rubbing components. Chapter 7. Metallic antifriction materials Chapter 8. Manufacturing methods for improving the wear resistance of materials and tribological joints. Chapter 9. Lubricants and additives. Chapter 10. Thermal stability of boundary lubrication films and solid lubrication films and solid lubricant films. Chapter 11. Friction and wear in aggressive media. Chapter 12. Abrasive wear. Chapter 13. Friction in vacuum. Chapter 14. Friction at low temperatures. Chapter 15. Fretting. Chapter 16. Friction and oscillations. Chapter 17. Selective transfer. Chapter 18. Theory of elastohydrodynamic lubrication. Chapter 19. Rolling bearings. Chapter 20. Sliding bearings. Chapter 21. Transmissions. Chapter 22. Machine guide way. Chapter 23. Cylinder-and-piston assembly components. Chapter 24. Seals. Chapter 25. Friction devices. Chapter 26. Stationary joints. Chapter 27. Friction and wear of vehicle wheels. Chapter 28. Friction and wear of metal-cutting and metal forming tools. Chapter 29. Flexible drive elements. Chapter 30. Friction and wear of electric contacts. Appendices and Tables. Index.

作者介绍:

目录:

标签

评论

Tribology_下载链接1_

书评

Tribology_下载链接1_