



# Friction and Wear of Materials

*By Ernest Rabinowicz*

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## Friction and Wear of Materials By Ernest Rabinowicz

Friction and Wear of Materials Second Edition Written by one of the world's foremost authorities on friction, this classic book offers a lucid presentation of the theory of mechanical surface interactions as it applies to friction, wear, adhesion, and boundary lubrication. To aid engineers in design decisions, Friction and Wear of Materials evaluates the properties of materials which, under specified conditions, cause one material to function better as a bearing material than another. Featured also are thorough treatments of lubricants and the sizes and shapes of wear particles. This updated Second Edition includes new material on erosive wear, impact wear, and friction. Professor Rabinowicz's book will be especially welcomed by mechanical and design engineers, surface scientists, tribologists and others who design, produce and operate products, machines and equipment which involve friction and its effects.

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## **Friction and Wear of Materials By Ernest Rabinowicz Bibliography**

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## **Editorial Review**

### **From the Publisher**

Presents the theory of mechanical surface interactions to explain the observed laws of friction, wear, adhesion and boundary lubrication. Covers the properties of materials and the effect of diverse conditions on these materials to facilitate the proper selection in design considerations. Contains a complete discussion concerning the sizes and shapes of wear particles. This edition has been updated to include recent and significant research findings and offers new problem sets.

### **From the Back Cover**

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### **About the Author**

ERNEST RABINOWICZ is Emeritus Professor of Mechanical Engineering at the Massachusetts Institute of Technology.

## **Users Review**

### **From reader reviews:**

#### **Phillip Barker:**

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