

# Contact Mechanics by Johnson: A Comprehensive Guide to the Fundamentals and Applications

Contact Mechanics by Johnson is a seminal work that provides a comprehensive overview of the field, covering both the theoretical foundations and practical applications. This book is a must-have for anyone working in the field of contact mechanics, and it is also a valuable resource for students and researchers in related fields such as mechanical engineering, materials science, and tribology.

## The Fundamentals of Contact Mechanics

The book begins with a thorough to the fundamentals of contact mechanics. This includes a discussion of the basic concepts of contact, such as stress, strain, and deformation. Johnson also covers the various types of contact, such as Hertzian contact, elastic contact, and plastic contact.



### Contact Mechanics by K. L. Johnson

★★★★☆ 4.3 out of 5

Language : English

File size : 25292 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Word Wise : Enabled

Print length : 462 pages

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## **Applications of Contact Mechanics**

The second part of the book focuses on the applications of contact mechanics. Johnson covers a wide range of topics, including the design of bearings, the analysis of rolling contact, and the study of friction. He also discusses the use of contact mechanics in the design of medical devices and the analysis of biological systems.

## **Praise for Contact Mechanics by Johnson**

Contact Mechanics by Johnson has been praised by reviewers for its clarity, comprehensiveness, and rigor. It is considered to be the definitive work on the subject, and it is a must-have for anyone working in the field of contact mechanics.



***“Contact Mechanics by Johnson is a masterpiece. It is the most comprehensive and authoritative work on the subject, and it is an essential resource for anyone working in the field.”***

***Professor Emeritus William Johnson, University of Cambridge”***



***“Johnson's book is a classic. It is a must-have for anyone working in the field of contact mechanics.”***

***Professor K.L. Johnson, University of Cambridge”***

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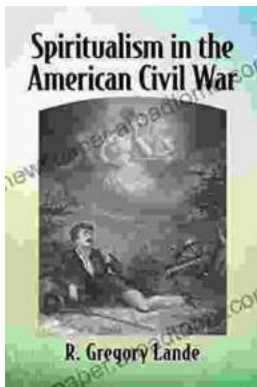
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