



Mechanics of rubber bearings for seismic and vibration isolation [

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Wiley,
c2011

Seismic waves-

Vibration

Rubber bearings

Monografía

"Mechanics of Rubber Bearings for Seismic and Vibration Isolation collates in a compact form all of the information on the mechanics of the increasingly important technology of multi-layer rubber bearings. It explores a unique & comprehensive combination of relevant topics, covering all prerequisite fundamental theory and providing a number of closed form solutions to various boundary value problems as well as a comprehensive historical overview on the use of this technique. The authors progress logically through increasingly complex analyses; many of the results presented are new and are needed for a proper understanding of these bearings and for the design and analysis of vibration isolation or seismic isolation systems. The advantages afforded by adopting these natural rubber systems" their cost effectiveness, simplicity, and reliability" is clearly explained to designers and users of this emerging technology, bringing into focus the design and specification of bearings for buildings, bridges and industrial structures"--

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Título: Mechanics of rubber bearings for seismic and vibration isolation [Recurso electrónico] James M. Kelly, Dimitrios A. Konstantinidis

Editorial: Chichester, U.K. Hoboken, N.J. Wiley c2011

Descripción física: xv, 222 p. ill

Mención de serie: E-Libro

Bibliografía: Includes bibliographical references and indexes

Detalles del sistema: Modo de acceso: World Wide Web

Fuente de adquisición directa: E-Libro

ISBN: 9781119994015 (hardback) 9781119971870 9781119972808 9781119972815 9781119971887 (e-book)

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