



Mechanics of Elastic Structures with Inclined Members [Analysis of Vibration, Buckling and Bending of X-Braced Frames and Conical Shells /

Chang, Chen Hao

Springer Berlin Heidelberg,
2005

Monografía

This monograph presents the mechanics of vibration, buckling and bending of elastic structures with inclined members such as x-braced high rise frames and conical shells. More than giving detailed derivations of basic equations Mechanics of Elastic Structures with Inclined Members is mainly oriented on practical problem solving. The book can be used as a textbook for graduate students concentrating on structural mechanics or as a reference book for engineers and researchers in the fields of engineering mechanics, civil engineering, mechanical engineering and aerospace engineering

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMTY5MDE5NDE>

Título: Mechanics of Elastic Structures with Inclined Members Recurso electrónico-En línea] Analysis of Vibration, Buckling and Bending of X-Braced Frames and Conical Shells by Chen Hao Chang

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg 2005

Descripción física: XII, 205 p. 115 illus. Also available online. digital

Tipo Audiovisual: Engineering Mechanics Engineering mathematics Mechanics, applied Mechanical engineering Engineering Structural Mechanics Theoretical and Applied Mechanics Appl.Mathematics/Computational Methods of Engineering Mechanics

Mención de serie: Lecture Notes in Applied and Computational Mechanics 1613-7736 22

Documento fuente: Springer eBooks

Nota general: Engineering (Springer-11647)

Contenido: Two Methods for Analysis of Continuum Mechanics of Elastic Structures -- Vibrations of Inclined Bars with End Constraint -- Vibrations of Frames with Inclined Members -- Vibrations of X-Braced Portal Frames -- Vibrations of X-Braced Multi-Story Frames -- Effect of Rotatory Inertia and Shear Deformation on Vibration of Inclined Bars -- Out-of-Plane Vibrations of Plane Frames -- Buckling of Inclined Columns -- Inclined Girders with End Constraint Subjected to Normal Loads -- A Boundary-Layer Solution Verified by Buckling of a Rectangular Plate -- Buckling of Conical Shells under a Single Axial Load -- Conical Shells of Linearly Varying Thickness Subjected to Normal Loads -- Asymptotic Solutions of Conical Shells of Constant Thickness -- Membrane Vibrations of Conical Shells

Restricciones de acceso: Accesible sólo para usuarios de la UPV

Tipo recurso electrónico: Recurso a texto completo

Detalles del sistema: Forma de acceso: Web

ISBN: 9783540323839

Entidades: SpringerLink (Servicio en línea)

Enlace a formato físico adicional: Printed edition 9783540243847

Punto acceso adicional serie-Título: Lecture Notes in Applied and Computational Mechanics 1613-7736 22

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es