



Discrete Element Analysis Methods of Generic Differential Quadratures [

Chen, Chang-New

Springer Berlin Heidelberg,
2006

Monografía

This book presents numerical differential quadrature (DQ) - based methods recently developed by the author. Their ability for solving generic scientific and engineering problems is demonstrated. These methods are the generic differential quadrature, the extended differential quadrature and the related discrete element analysis methods. These novel numerical techniques are both efficient and reliable. They are suitable for developing solution algorithms for various computational mechanics problems with arbitrarily complex geometry. This is shown for several comprehensive examples such as bars and beams, trusses, frames, general field problems, elasticity problems or bending of plates

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vNjYzMDU3Mg>

Título: Discrete Element Analysis Methods of Generic Differential Quadratures [Recurso electrónico-En línea] by Chang-New Chen

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg 2006

Descripción física: XI, 282 p. 85 illus. Also available online. digital

Tipo Audiovisual: Engineering Mathematical physics Physics Mechanics, applied Engineering Theoretical and Applied Mechanics Numerical and Computational Methods in Engineering Mathematical and Computational Physics Mathematical Methods in Physics Numerical and Computational Methods Physics and Applied Physics in Engineering

Mención de serie: Lecture Notes in Applied and Computational Mechanics 1613-7736 25

Documento fuente: Springer eBooks

Nota general: Engineering (Springer-11647)

Contenido: Introduction -- Differential Quadrature -- Generalized Methods: GDQ and EDQ -- Related Discrete Element Analysis Methods: DQEM, GDQEM, DQFDM, GCDQEM and DQFEM -- Bars and Beams -- Curved Beams -- Trusses -- Frames -- General Field Problems -- Elasticity Problems -- Bending of Plates -- References

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: 9783540311850 978-3-540-31185-0

Entidades: SpringerLink (Servicio en línea)

Enlace a formato físico adicional: Printed edition 9783540289470

Punto acceso adicional serie-Título: Lecture Notes in Applied and Computational Mechanics 1613-7736 25

Baratz Innovación Documental

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