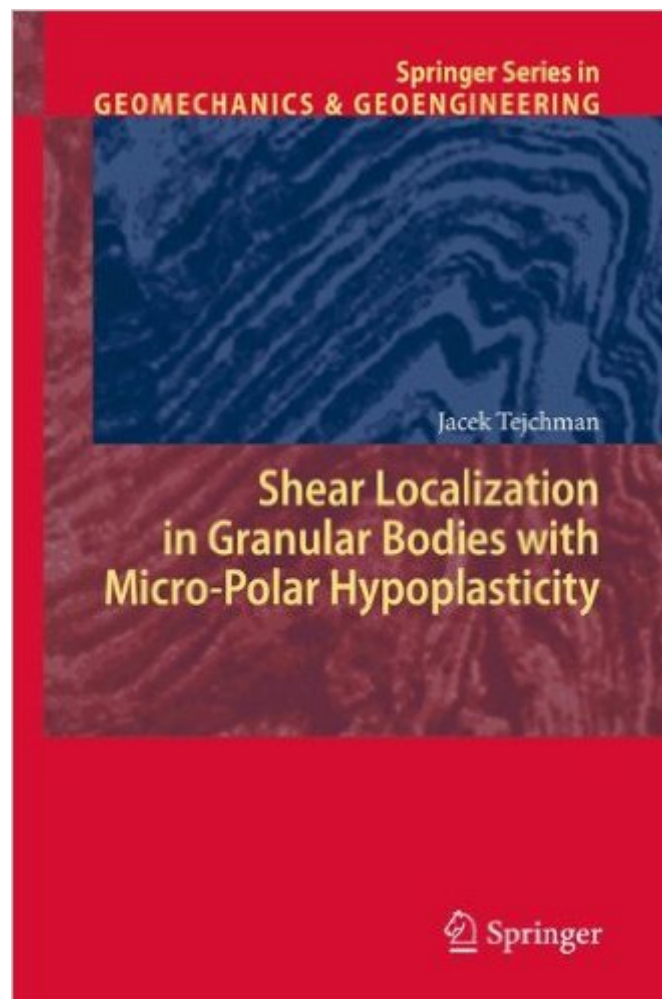


The book was found

Shear Localization In Granular Bodies With Micro-Polar Hypoplasticity (Springer Series In Geomechanics And Geoengineering)



Synopsis

This book includes a numerical investigation of shear localization in granular materials within micro-polar hypoplasticity, which was carried out during my long research stay at the Institute of Soil and Rock Mechanics at Karlsruhe University from 1985 to 1996. I dedicate my book to Prof. Gerd Gudehus from Germany, the former head of the Institute of Rock and Soil Mechanics at Karlsruhe University and the supervisor of my scientific research during my stay in Karlsruhe, who encouraged me to deal with shear localization in granular bodies within micro-polar hypoplasticity. I greatly appreciate his profound knowledge, kind help constructive discussions, and collegial attitude to his co-workers. I am thankful to the both series editors: Prof. Wei Wu from Universität für Bodenkultur in Austria and Prof. Ronaldo Borja from Stanford University in USA for their helpful suggestions with respect to the contents and structure of the book. I am also grateful to Dr. Thomas Ditzinger and Mrs. Heather King from the Springer Publishing Company and SPS data processing team for their help in editing this book. Gdansk, Jacek Tejchman June 2008 Contents 1

Introduction.....	1	2 Literature Overview on
Experiments.....	11	3 Theoretical
Model.....	47	3.1 Hypoplastic Constitutive
Model.....	47	3.2 Calibration of Hypoplastic Material
Parameters.....	60	3.3 Micro-polar
Continuum.....	67	3.4 Micro-polar Hypoplastic Constitutive
Model.....	72	3.5 Finite Element
Implementation.....	75	4 Finite Element Calculations: Preliminary
Results.....		

Book Information

Series: Springer Series in Geomechanics and Geoengineering

Hardcover: 317 pages

Publisher: Springer; 2008 edition (November 17, 2008)

Language: English

ISBN-10: 3540705546

ISBN-13: 978-3540705543

Product Dimensions: 9.4 x 6.3 x 0.9 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #9,023,422 in Books (See Top 100 in Books) #65 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Localization #777 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Microprocessor Design #1284 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Structured Design

[Download to continue reading...](#)

Shear Localization in Granular Bodies with Micro-Polar Hypoplasticity (Springer Series in Geomechanics and Geoengineering) ECON MICRO (with ECON MICRO Online, 1 term (6 months) Printed Access Card) (New, Engaging Titles from 4LTR Press) Polar Bear, Polar Bear, What Do You Hear? (Brown Bear and Friends) Oso polar, oso polar, ¿qu  es ese ruido? (Brown Bear and Friends) (Spanish Edition) Polar Bear, Polar Bear What Do You Hear? sound book Polar Bear, Polar Bear, What Do You Hear? My First Reader Who Has What?: All About Girls' Bodies and Boys' Bodies (Let's Talk about You and Me) Reservoir Geomechanics 3D Robotic Mapping: The Simultaneous Localization and Mapping Problem with Six Degrees of Freedom (Springer Tracts in Advanced Robotics) FastSLAM: A Scalable Method for the Simultaneous Localization and Mapping Problem in Robotics (Springer Tracts in Advanced Robotics) Environment Learning for Indoor Mobile Robots: A Stochastic State Estimation Approach to Simultaneous Localization and Map Building (Springer Tracts in Advanced Robotics) Enhancing Indoor Localization with Proximity Information in WSN: A novel way of enhancing indoor localization in wireless sensor networks Localization in Wireless Sensor Network: An enhanced composite approach with mobile beacon shortest path to solve localization problem in wireless sensor network RF-based Indoor Localization in Sensor Networks: Localization Using Signal Fingerprinting Protocol for Wireless Localization Systems: Communications Protocol for RF-based Wireless Indoor Localization Networks Time Series: Theory and Methods (Springer Series in Statistics) Beginning micro-PROLOG (The Ellis Horwood series in computers and their applications) Programming in Micro-PROLOG (Ellis Horwood Series in Computers and Their Applications) Extremely Weird Micro Monsters (Extremely Weird Series) The Micro Economy Today (The Mcgraw-Hill Series Economics)

[Dmca](#)