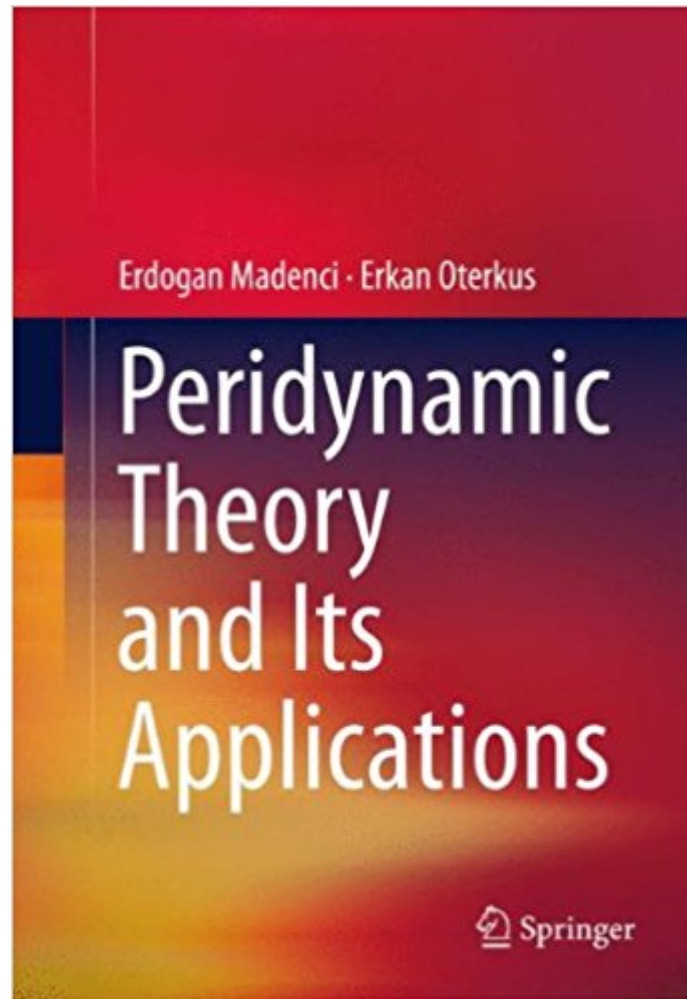


The book was found

# Peridynamic Theory And Its Applications



## Synopsis

This book presents the peridynamic theory, which provides the capability for improved modeling of progressive failure in materials and structures, and paves the way for addressing multi-physics and multi-scale problems. The book provides students and researchers with a theoretical and practical knowledge of the peridynamic theory and the skills required to analyze engineering problems. The text may be used in courses such as Multi-physics and Multi-scale Analysis, Nonlocal Computational Mechanics, and Computational Damage Prediction. Sample algorithms for the solution of benchmark problems are available so that the reader can modify these algorithms, and develop their own solution algorithms for specific problems. Students and researchers will find this book an essential and invaluable reference on the topic.

## Book Information

Hardcover: 289 pages

Publisher: Springer; 2014 edition (October 22, 2013)

Language: English

ISBN-10: 1461484642

ISBN-13: 978-1461484646

Product Dimensions: 6.1 x 0.7 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

Best Sellers Rank: #2,689,488 in Books (See Top 100 in Books) #93 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Fracture Mechanics #1133 inÂ Books > Science & Math > Physics > Dynamics > Thermodynamics #1383 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

## Customer Reviews

it's a good book and well written, but it is too expensive considering that it has not coloured images.

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

Peridynamic Theory and Its Applications The City in History: Its Origins, Its Transformations, and Its Prospects Molybdenum and Its Compounds: Applications, Electrochemical Properties and Geological Implications (Chemistry Research and Applications) Structural Analysis: With Applications to Aerospace Structures (Solid Mechanics and Its Applications) Ligand Field Theory and Its Applications Topological Fixed Point Principles for Boundary Value Problems (Topological

Fixed Point Theory and Its Applications) Symmetry: An Introduction to Group Theory and Its Applications (Dover Books on Physics) Fluid Flow in the Subsurface: History, Generalization and Applications of Physical Laws (Theory and Applications of Transport in Porous Media) Ergonomics: Foundational Principles, Applications, and Technologies (Ergonomics Design & Management Theory & Applications) Stochastic Integration in Banach Spaces: Theory and Applications (Probability Theory and Stochastic Modelling) Customary International Law: A New Theory with Practical Applications (ASIL Studies in International Legal Theory) Witness to the Revolution: Radicals, Resisters, Vets, Hippies, and the Year America Lost Its Mind and Found Its Soul Surgical Pathology of the Nervous System and its Coverings, 4e (Burger, Surgical Pathology of the Nervous System and its coverings) Spiritual Depression: Its Causes and Its Cure Concrete Boat Building: Its Techniques and Its Future Niagara-on-the-Lake: Its Heritage and Its Festival (Lorimer Illustrated History) The UnDutchables: an observation of the netherlands, its culture and its inhabitants Jewish Literacy Revised Ed: The Most Important Things to Know About the Jewish Religion, Its People, and Its History Jewish Literacy: The Most Important Things to Know About the Jewish Religion, Its People and Its History runing from the truth: its an adventure..its a great adventure (1)

[Dmca](#)