

Peridynamic Theory and its Applications



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Reviews

Comprehensive manual for ebook fans. I am quite late in start reading this one, but better then never. Its been written in an exceptionally basic way and is particularly merely soon after i finished reading this publication in which really changed me, affect the way in my opinion.

(Prof. Antone Olson II)

PERIDYNAMIC THEORY AND ITS APPLICATIONS



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Springer-Verlag New York Inc., United States, 2016. Paperback. Book Condition: New. 235 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.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. Softcover reprint of the original 1st ed. 2014.



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