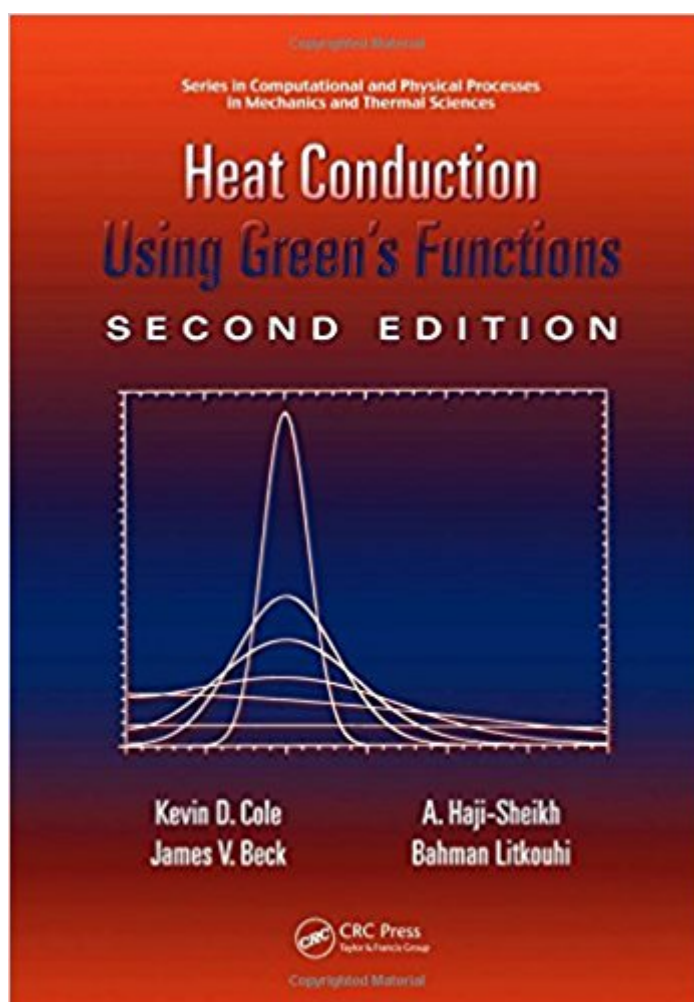## The book was found

Heat Conduction Using GreenÃ¢â‚¬â„¢s Functions, 2nd Edition (Series In Computational Methods And Physical Processes In Mechanics And Thermal Sciences)

Synopsis

Since its publication more than 15 years ago, Heat Conduction Using GreenÃ¢ ¬â„¢s Functions has become the consummate heat conduction treatise from the perspective of GreenÃ¢ ¬â„¢s functionsÃ¢ ¬â ¢and the newly revised Second Edition is poised to take its place. Based on the authorsÃ¢ ¬â„¢ own research and classroom experience with the material, this book organizes the solution of heat conduction and diffusion problems through the use of GreenÃ¢ ¬â„¢s functions, making these valuable principles more accessible. As in the first edition, this book applies extensive tables of GreenÃ¢ ¬â„¢s functions and related integrals, and all chapters have been updated and revised for the second edition, many extensively.   Details how to access the accompanying GreenÃ¢ ¬â„¢s Function Library site, a useful web-searchable collection of GFs based on the appendices in this book   The book reflects the authorsÃ¢ ¬â„¢ conviction that although GreenÃ¢ ¬â„¢s functions were discovered in the nineteenth century, they remain directly relevant to 21st-century engineers and scientists. It chronicles the authorsÃ¢ ¬â„¢ continued search for new GFs and novel ways to apply them to heat conduction.   New features of this latest editionÃ¢ ¬â ¢

Book Information

Series: Series in Computational Methods and Physical Processes in Mechanics and Thermal Sciences

Hardcover: 663 pages

Publisher: CRC Press; 2 edition (July 16, 2010)

Language: English

ISBN-10: 143981354X

ISBN-13: 978-1439813546

Product Dimensions: 6.3 x 1.6 x 9.3 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars   1 customer review

Best Sellers Rank: #1,286,915 in Books (See Top 100 in Books)   #102 inÃ Â Books > Engineering & Transportation > Engineering > Materials & Material Science > Extraction & Processing   #619 inÃ Â Books > Science & Math > Physics > Dynamics > Thermodynamics   #1184 inÃ Â Books > Textbooks > Science & Mathematics > Mechanics

Customer Reviews

Michigan State University, East Lansing, MI The University of Texas, Arlington, Texas, USA

I did not know how powerful green's function is before reading this book. One can solve any type of conduction problem with green's function 3 times easily. Another good thing is appendix. Here, you will get a complete list of green,s function for all geometry and boundary condition.

Download to continue reading...

Heat Conduction Using GreenÃ¢ ¬â„¢s Functions, 2nd Edition (Series in Computational Methods and Physical Processes in Mechanics and Thermal Sciences) Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Computational Fluid Mechanics and Heat Transfer, Second Edition (Series in Computional and Physical Processes in Mechanics and Thermal Sciences) Heat Conduction:2nd (Second) edition Computational Fluid Mechanics and Heat Transfer:2nd (Second) edition The Mathematical Theory of Non-uniform Gases: An Account of the Kinetic Theory of Viscosity, Thermal Conduction and Diffusion in Gases (Cambridge Mathematical Library) Introduction to Thermal Systems Engineering: Thermodynamics, Fluid Mechanics, and Heat Transfer Introduction to Thermal Sciences: Thermodynamics, Fluid Dynamics, Heat Transfer Simulating Enzyme Reactivity: Computational Methods in Enzyme Catalysis (Theoretical and Computational Chemistry Series) Computational Approaches to Protein Dynamics: From Quantum to Coarse-Grained Methods (Series in Computational Biophysics) Conduction of Heat in Solids (Oxford Science Publications) Introduction to Practical Peridynamics: Computational Solid Mechanics Without Stress and Strain (Frontier Research in Computation and Mechanics of Materials) Mechanics of Materials (Computational Mechanics and Applied Analysis) Variational Methods in Image Processing (Chapman & Hall/CRC Mathematical and Computational Imaging Sciences Series) Computational Materials Science: From Ab Initio to Monte Carlo Methods (Springer Series in Solid-State Sciences) Heat Exchangers: Selection, Rating, and Thermal Design, Third Edition Analysis, Synthesis and Design of Chemical Processes (4th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Mechanics of Structures: Variational and Computational Methods Basic Immunology Updated Edition: Functions and Disorders of the Immune System With STUDENT CONSULT Online Access, 3e (Basic Immunology: Functions and Disorders of the Immune System) Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems (Computational Neuroscience Series)

Privacy

FAQ & Help