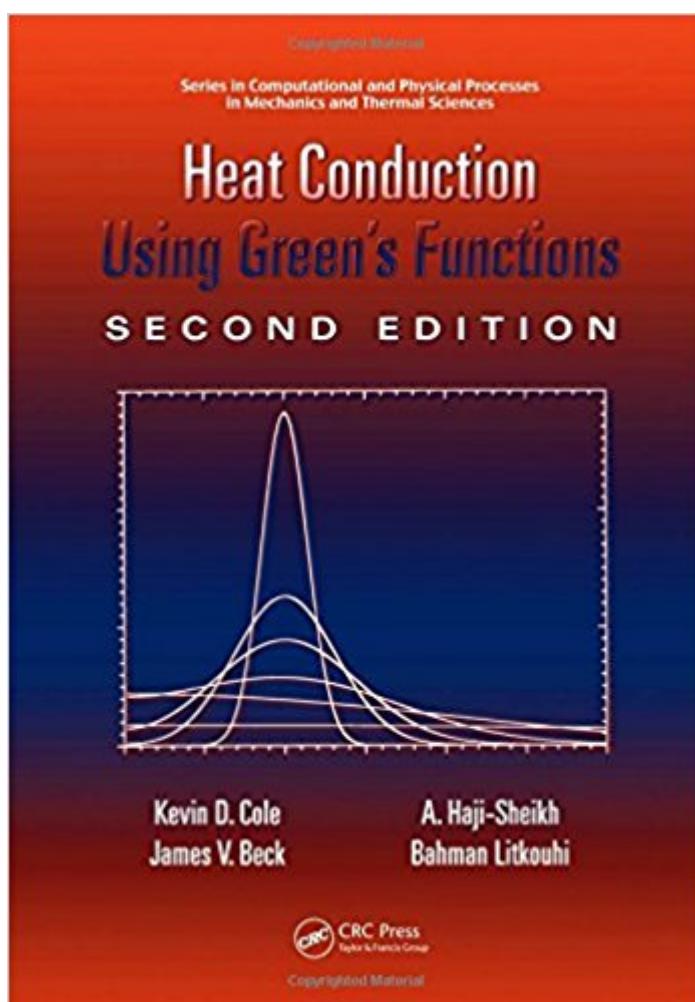


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Heat Conduction Using Greenâ€™s Functions, 2nd Edition (Series In Computational Methods And Physical Processes In Mechanics And Thermal Sciences)





Synopsis

Since its publication more than 15 years ago, Heat Conduction Using Greenâ™s Functions has become the consummate heat conduction treatise from the perspective of Greenâ™s functions and the newly revised Second Edition is poised to take its place. Based on the authorsâ™ own research and classroom experience with the material, this book organizes the solution of heat conduction and diffusion problems through the use of Greenâ™s functions, making these valuable principles more accessible. As in the first edition, this book applies extensive tables of Greenâ™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 Greenâ™s Function Library site, a useful web-searchable collection of GFs based on the appendices in this book. The book reflects the authorsâ™ conviction that although Greenâ™s functions were discovered in the nineteenth century, they remain directly relevant to 21st-century engineers and scientists. It chronicles the authorsâ™ continued search for new GFs and novel ways to apply them to heat conduction. New features of this latest editionâ•

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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.

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