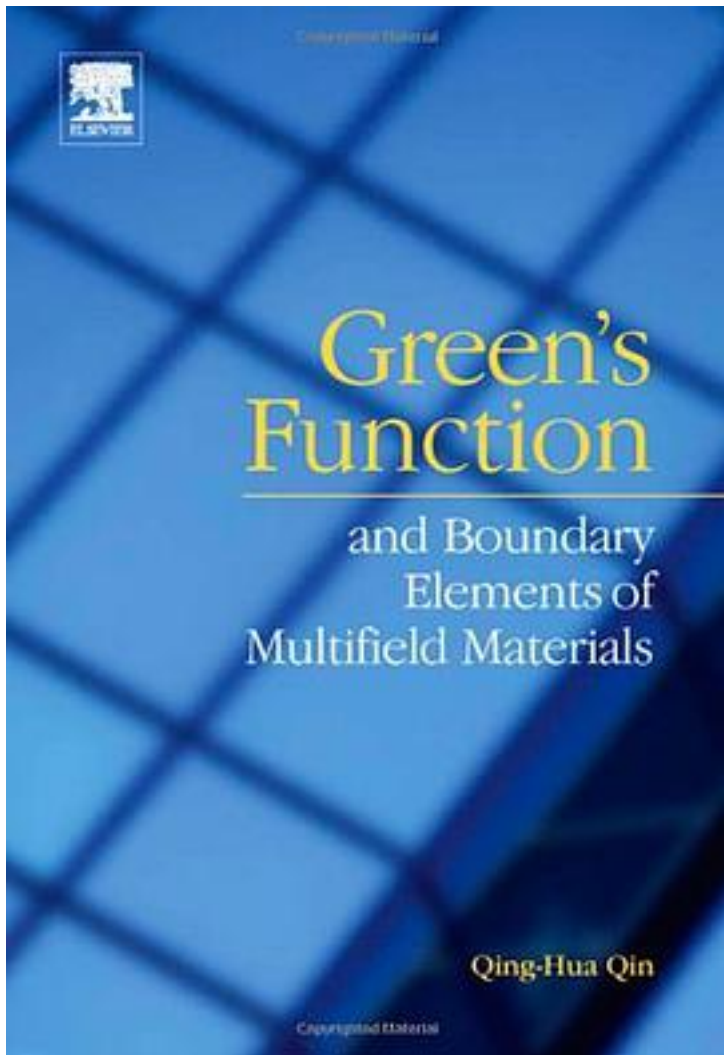# Green's Function and Boundary Elements of Multifield Materials

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"Green's Function and Boundary Elements of Multifield Materials" contains a comprehensive treatment of multifield materials under coupled thermal, magnetic, electric, and mechanical loads. Its easy-to-understand text clarifies some of the most advanced techniques for deriving Green's function and the related boundary element formulation of magnetoelectroelastic materials: Radon transform, potential function approach, Fourier transform. Our hope in preparing this book is to attract interested readers and researchers to a new field that continues to provide fascinating and technologically important challenges. You will benefit from the authors' thorough coverage of general principles for each topic, followed by detailed mathematical derivation and worked examples as well as tables and figures where appropriate.This title provides in-depth explanations of the concept of Green's function. It gives coupled thermo-magneto-electro-elastic analysis. It presents detailed mathematical derivation for Green's functions.

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