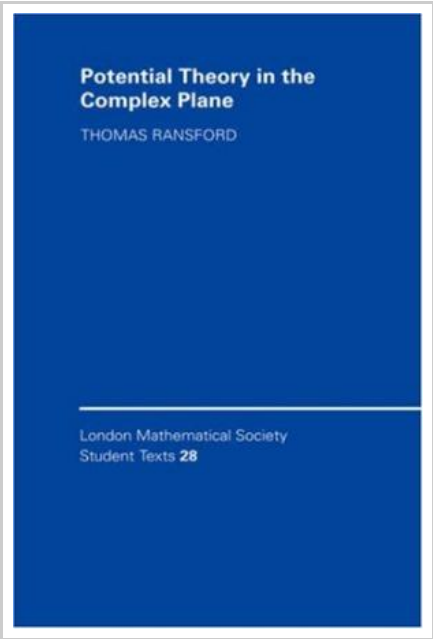

Potential Theory in the Complex Plane

By Thomas Ransford

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2003. Paperback. Book Condition: New. New.. 226 x 152 mm. Language: English Brand New Book ***** Print on Demand *****.Potential theory is the broad area of mathematical analysis encompassing such topics as harmonic and subharmonic functions, the Dirichlet problem, harmonic measure, Green s functions, potentials and capacity. This is an introduction to the subject suitable for beginning graduate students, concentrating on the important case of two dimensions. This permits a simpler treatment than other books, yet is still sufficient for a wide range of applications to complex analysis; these include Picard s theorem, the Phragmen-Lindelof principle, the Koebe one-quarter mapping theorem and a sharp quantitative form of Runge s theorem. In addition there is a chapter on connections with functional analysis and dynamical systems, which shows how the theory can be applied to other parts of mathematics, and gives a flavour of some recent research. Exercises are provided throughout, enabling the book to be used with advanced courses on complex analysis or potential theory.

Reviews

This publication is definitely worth buying. It can be loaded with wisdom and knowledge I am easily could possibly get a satisfaction of looking at a composed publication.

-- ***Rhiannon Steuber***

Very helpful to all type of individuals. It really is rally interesting throgh looking at time. Its been designed in an extremely basic way which is just soon after i finished reading this pdf through which basically modified me, change the way i believe.

-- ***Tyshawn Brekke***