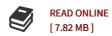# Problems from the Discrete to the Continuous: Probability, Number Theory, Graph Theory, and Combinatorics

By Ross Pinsky

Springer International Publishing AG. Paperback. Book Condition: new. BRAND NEW, Problems from the Discrete to the Continuous: Probability, Number Theory, Graph Theory, and Combinatorics, Ross Pinsky, The primary intent of the book is to introduce an array of beautiful problems in a variety of subjects quickly, pithily and completely rigorously to graduate students and advanced undergraduates. The book takes a number of specific problems and solves them, the needed tools developed along the way in the context of the particular problems. It treats a melange of topics from combinatorial probability theory, number theory, random graph theory and combinatorics. The problems in this book involve the asymptotic analysis of a discrete construct, as some natural parameter of the system tends to infinity. Besides bridging discrete mathematics and mathematical analysis, the book makes a modest attempt at bridging disciplines. The problems were selected with an eye toward accessibility to a wide audience, including advanced undergraduate students. The book could be used for a seminar course in which students present the lectures.

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