1. Record Nr. UNINA9910463459903321 Autore Doyle Peter G **Titolo** Random walks and electric networks [[electronic resource] /] / by Peter G. Doyle, J. Laurie Snell Washington, D.C., : Mathematical Association of America, c1984 Pubbl/distr/stampa **ISBN** 1-61444-022-0 Descrizione fisica 1 online resource (174 p.) Collana Carus mathematical monographs;; no. 22 Altri autori (Persone) SnellJ. Laurie <1925-2011.> (James Laurie) Disciplina 519.2/82 Soggetti Random walks (Mathematics) Electric network topology Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Second printing, 1988. Nota di bibliografia Includes bibliographical references (p. 151-153) and index. Nota di contenuto pt. I. Random walks on finite networks -- pt. II. Random walks on infinite networks. Sommario/riassunto Probability theory, like much of mathematics, is indebted to physics as a source of problems and intuition for solving these problems. Unfortunately, the level of abstraction of current mathematics often makes it difficult for anyone but an expert to appreciate this fact. Random Walks and Electric Networks looks at the interplay of physics and mathematics in terms of an example the relation between elementary electric network theory and random walks where the

mathematics involved is at the college level.