

1. Record Nr.	UNISA996466589903316
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Titolo	Potential theory on infinite networks / / Paolo M. Soardi
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer-Verlag, , [1994] ©1994
ISBN	3-540-48798-0
Edizione	[1st ed. 1994.]
Descrizione fisica	1 online resource (VIII, 196 p.)
Collana	Lecture Notes in Mathematics ; ; Volume 1590
Disciplina	515.7
Soggetti	Potential theory (Mathematics) Network analysis (Planning)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Kirchhoff's laws -- Finite networks -- Currents and potentials with finite energy -- Uniqueness and related topics -- Some examples and computations -- Royden's compactification -- Rough isometries.
Sommario/riassunto	The aim of the book is to give a unified approach to new developments in discrete potential theory and infinite network theory. The author confines himself to the finite energy case, but this does not result in loss of complexity. On the contrary, the functional analytic machinery may be used in analogy with potential theory on Riemann manifolds. The book is intended for researchers with interdisciplinary interests in one of the following fields: Markov chains, combinatorial graph theory, network theory, Dirichlet spaces, potential theory, abstract harmonic analysis, theory of boundaries.