

1. Record Nr.	UNINA9910797065203321
Autore	Fruko
Titolo	A first course in network theory // Professor Ernesto Estrada, Dr. Philip A. Knight
Pubbl/distr/stampa	Oxford, [England] : , : Oxford University Press, , 2015 ©2015
ISBN	1-336-09915-1 0-19-103992-6
Descrizione fisica	1 online resource (269 pages) : illustrations
Disciplina	003.72
Soggetti	System analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction to network theory -- General concepts in network theory -- How to prove it -- Data analysis and manipulation -- Algebraic concepts in network theory -- Spectra of adjacency matrices -- The network Laplacian -- Classical physics analogies -- Degree distributions -- Clustering coefficients of networks -- Random models of networks -- Matrix functions -- Fragment-based measures -- Classical node centrality -- Spectral node centrality -- Quantum physics analogies -- Global properties of networks I -- Global properties of networks II -- Communicability in networks -- Statistical physics analogies -- Communities in networks.