

1. Record Nr.	UNINA9910788869103321
Autore	Garling D. J. H.
Titolo	A course in mathematical analysis . Volume 1 Foundations and elementary real analysis // D. J. H. Garling [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2013
ISBN	1-107-23794-7 1-107-31469-0 1-107-30694-9 1-107-25496-5 1-139-42449-1 1-107-30914-X 1-107-31249-3 1-107-30185-8
Descrizione fisica	1 online resource (xvi, 300 pages) : digital, PDF file(s)
Disciplina	515
Soggetti	Mathematical analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Prologue : the foundations of analysis -- pt. 2. Functions of a real variable.
Sommario/riassunto	The three volumes of A Course in Mathematical Analysis provide a full and detailed account of all those elements of real and complex analysis that an undergraduate mathematics student can expect to encounter in their first two or three years of study. Containing hundreds of exercises, examples and applications, these books will become an invaluable resource for both students and instructors. This first volume focuses on the analysis of real-valued functions of a real variable. Besides developing the basic theory it describes many applications, including a chapter on Fourier series. It also includes a Prologue in which the author introduces the axioms of set theory and uses them to construct the real number system. Volume 2 goes on to consider metric and topological spaces and functions of several variables. Volume 3 covers complex analysis and the theory of measure and integration.

