

1. Record Nr.	UNISA996466621203316
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Titolo	Mahler functions and transcendence / / Kumiko Nishioka
Pubbl/distr/stampa	Berlin, Germany : , : Springer-Verlag, , [1996] ©1996
ISBN	3-540-68598-7
Edizione	[1st ed. 1996.]
Descrizione fisica	1 online resource (IX, 191 p.)
Collana	Lecture Notes in Mathematics ; ; 1631
Classificazione	11J81
Disciplina	512.73
Soggetti	Numerical functions p-adic numbers Number theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Transcendence theory of mahler functions of one variable -- Transcendence theory of mahler functions of several variables -- Algebraic independence of mahler functions and their values -- Applications of elimination theory -- Regular sequences and mahler functions.
Sommario/riassunto	This book is the first comprehensive treatise of the transcendence theory of Mahler functions and their values. Recently the theory has seen profound development and has found a diversity of applications. The book assumes a background in elementary field theory, p-adic field, algebraic function field of one variable and rudiments of ring theory. The book is intended for both graduate students and researchers who are interested in transcendence theory. It will lay the foundations of the theory of Mahler functions and provide a source of further research.