

1. Record Nr.	UNINA9910782192803321
Autore	Haeseler Friedrich von
Titolo	Automatic sequences [[electronic resource] /] / by Friedrich von Haeseler
Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, c2003
ISBN	1-281-99345-X 9786611993450 3-11-019796-0
Edizione	[Reprint 2013]
Descrizione fisica	1 online resource (199 p.)
Collana	De Gruyter expositions in mathematics ; ; 36
Disciplina	515/.24
Soggetti	Sequences (Mathematics) Algorithms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [177]-188) and index.
Nota di contenuto	Front matter -- Contents -- Chapter 1. Preliminaries -- Chapter 2. Expanding endomorphisms and substitutions -- Chapter 3. Automaticity -- Chapter 4. Automaticity II -- Chapter 5. Algebraic properties -- Back matter
Sommario/riassunto	Automatic sequences are sequences which are produced by a finite automaton. Although they are not random they may look as being random. They are complicated, in the sense of not being not ultimately periodic, they may look rather complicated, in the sense that it may not be easy to name the rule by which the sequence is generated, however there exists a rule which generates the sequence. The concept automatic sequences has special applications in algebra, number theory, finite automata and formal languages, combinatorics on words. The text deals with different aspects of automatic sequences...