1. **Record Nr.** UNISA996384233203316

   Titolo Great York and Albany, or, The loyal welcome to His Royal Highness on his return from Scotland [[electronic resource]] : to the tune of, "Hey boys up go we."

   Pubbl/distr/stampa London, : Printed by Nat. Thompson, 1682

   Descrizione fisica 1 sheet ([1] p.) of music

   Soggetti Broadsides17th centuryEnglandLondon

   Lingua di pubblicazione Inglese

   Formato Musica a stampa

   Livello bibliografico Monografia

   Note generali A song.
   Reproduction of original in Huntington Library.

   Sommario/riassunto eebo-0113

2.	Record Nr.	UNINA9910785964703321
	Autore	Feldman David P
	Titolo	Chaos and Fractals [[electronic resource]] : An Elementary Introduction
	Pubbl/distr/stampa	Oxford, : OUP Oxford, 2012
	ISBN	1-283-64388-X
		0-19-163752-1
	Descrizione fisica	1 online resource (431 p.)
	Disciplina	515.39
	Soggetti	Chaotic behavior in systems
		Differentiable dynamical systems
		Fractals
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di contenuto	Cover; Contents; I: Introducing Discrete Dynamical Systems; 0 Opening Remarks; 0.1 Chaos; 0.2 Fractals; 0.3 The Character of Chaos and Fractals; 1 Functions; 1.1 Functions as Actions; 1.2 Functions as a Formula; 1.3 Functions are Deterministic; 1.4 Functions as Graphs; 1.5 Functions as Maps; Exercises; 2 Iterating Functions; 2.1 The Idea of Iteration; 2.2 Some Vocabulary and Notation; 2.3 Iterated Function Notation; 2.4 Algebraic Expressions for Iterated Functions; 2.5 Why Iteration?; Exercises; 3 Qualitative Dynamics: The Fate of the Orbit; 3.1 Dynamical Systems
		3.2 Dynamics of the Squaring Function3.3 The Phase Line; 3.4 Fixed Points via Algebra; 3.5 Fixed Points Graphically; 3.6 Types of Fixed Points; Exercises; 4 Time Series Plots; 4.1 Examples of Time Series Plots; Exercises; 5 Graphical Iteration; 5.1 An Initial Example; 5.2 The Method of Graphical Iteration; 5.3 Further Examples; Exercises; 6 Iterating Linear Functions; 6.1 A Series of Examples; 6.2 Slopes of +1 or -1; Exercises; 7 Population Models; 7.1 Exponential Growth; 7.2 Modifying the Exponential Growth Model; 7.3 The Logistic Equation; 7.4 A Note on the Importance of Stability
		7.5 Other r ValuesExercises; 8 Newton, Laplace, and Determinism; 8.1 Newton and Universal Mechanics; 8.2 The Enlightenment and Optimism; 8.3 Causality and Laplace's Demon; 8.4 Science Today; 8.5 A

Sommario/riassunto	This book provides the reader with an elementary introduction to chaos and fractals, suitable for students with a background in elementary algebra, without assuming prior coursework in calculus or physics. It introduces the key phenomena of chaos - aperiodicity, sensitive dependence on initial conditions, bifurcations - via simple iterated functions. Fractals are introduced as self-similar geometric objects and analyzed with the self-similarity and box-counting dimensions. After abrief discussion of power laws, subsequent chapters explore Julia Sets and the Mandelbrot Set. The last part of the