

1. Record Nr.	UNINA9910453268303321
Autore	Conte Robert <1943->
Titolo	The Painleve handbook [[electronic resource] /] / Robert Conte, Micheline Musette
Pubbl/distr/stampa	Dordrecht, : Springer, c2008
ISBN	1-281-91343-X 9786611913434 1-4020-8491-9
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (273 p.)
Altri autori (Persone)	MusetteMicheline
Disciplina	515.352 518/.6
Soggetti	Painleve equations Mathematical physics Electronic books.
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. 234-252) and index.
Nota di contenuto	Introduction; Singularity Analysis: Painleve Test; Integrating Ordinary Differential Equations; Partial Differential Equations: Paielève Test; From the Test to Explicit Solutions of PDEs; Integration of Hamiltonian Systems; Discrete Nonlinear Equations; FAQ (Frequently Asked Questions)
Sommario/riassunto	Nonlinear differential or difference equations are encountered not only in mathematics, but also in many areas of physics (evolution equations, propagation of a signal in an optical fiber), chemistry (reaction-diffusion systems), and biology (competition of species). This book introduces the reader to methods allowing one to build explicit solutions to these equations. A prerequisite task is to investigate whether the chances of success are high or low, and this can be achieved without any a priori knowledge of the solutions, with a powerful algorithm presented in detail called the Painlevé test. If the equation under study passes the Painlevé test, the equation is presumed integrable. If on the contrary the test fails, the system is nonintegrable or even chaotic, but it may still be possible to find solutions. The examples chosen to illustrate these methods are mostly

taken from physics. These include on the integrable side the nonlinear Schrödinger equation (continuous and discrete), the Korteweg-de Vries equation, the Hénon-Heiles Hamiltonians, on the nonintegrable side the complex Ginzburg-Landau equation (encountered in optical fibers, turbulence, etc), the Kuramoto-Sivashinsky equation (phase turbulence), the Kolmogorov-Petrovski-Piskunov equation (KPP, a reaction-diffusion model), the Lorenz model of atmospheric circulation and the Bianchi IX cosmological model. Written at a graduate level, the book contains tutorial text as well as detailed examples and the state of the art on some current research.

2. Record Nr.	UNINA9910785955903321
Autore	Hasegawa Shuichi <1971->
Titolo	Aram and Israel during the Jehuite dynasty [[electronic resource] /] / Shuichi Hasegawa
Pubbl/distr/stampa	Berlin ; ; Boston, : De Gruyter, 2012
ISBN	1-283-62804-X 9786613940490 3-11-028348-4
Descrizione fisica	1 online resource (228 p.)
Collana	Beihefte zur Zeitschrift fur die alttestamentliche Wissenschaft, , 0934-2575 ; ; Bd. 434
Disciplina	933/.4
Soggetti	Jews - History - To 586 B.C Jews - Politics and government - To 70 A.D Arameans - History Syria History To 333 B.C Middle East Antiquities
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 and indexes.
Nota di contenuto	Front matter -- Acknowledgements -- Table of Contents -- List of Tables -- Abbreviations -- Introduction -- 1. Chronology of the Jehuite Kings -- 2. The Rise of Jehu (841 BCE) -- 3. The Rise of Hazael and the Aramaean Expansion -- 4. The Reigns of Jehu and Joahaz (841-798

BCE) -- 5. The Reign of Joash (799/798-784 BCE) -- 6. The Reign of Jeroboam II (784-748 BCE) -- 7. The End of the Jehuite Dynasty (747 BCE) -- Conclusion -- Bibliography -- Maps -- Indices

Sommario/riassunto

The Jehuite Dynasty ruled more than ninety years (841-747 BCE) in the Kingdom of Israel, the longest dynasty in the history of the Northern Kingdom. Under the five kings of the dynasty, Israel was thrown into the arena of the regional political struggles and experienced the time of an unprecedented upheaval and then enjoyed great prosperity. The Aramaeans under Hazael and Ben-Hadad of Damascus and the Assyrians from the north Mesopotamia had great influence on the history of the dynasty. This book is the result of a comprehensive and updated historical study on this significant dynasty. By consulting all the available Assyrian, Aramaic, Hebrew, and Moabite inscriptions and recent archaeological data, this study radically evaluates the historical authenticity of the biblical text of 2 Kings and some parts of the Books of Amos and Hosea and integrates the results into the historical discussion. The study reveals the great importance of this dynasty in the history of the Northern Kingdom as a turning point in its policy toward the Neo-Assyrian Empire and will contribute toward understanding the history of Syria-Palestine in the 9th-8th centuries BCE.
