1. Record Nr. UNINA9910457455703321

Titolo	Societies in eclipse [[electronic resource]] : archaeology of the Eastern Woodlands Indians, A.D. 1400-1700 / / edited by David S. Brose, C. Wesley Cowan, and Robert C. Mainfort, Jr
Pubbl/distr/stampa	Tuscaloosa, Ala., : University of Alabama, 2001
ISBN	0-8173-8339-5
Descrizione fisica	1 online resource (300 p.)
Altri autori (Persone)	BroseDavid S CowanC. Wesley <1951-> MainfortRobert C. <1948->
Disciplina	974/.01
Soggetti	Woodland Indians - Antiquities Woodland Indians - First contact with Europeans Woodland Indians - Social life and customs Social archaeology - East (U.S.) Land settlement patterns - East (U.S.) - History Electronic books. East (U.S.) 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 index.
Nota di contenuto	Introduction to Eastern North America at the Dawn of European Colonization -- The Distribution of Eastern Woodlands Peoples at the Prehistoric and Historic Interface -- Evolution of the Mohawk Iroquois -- Change and Survival among the Onondaga Iroquois since 1500 -- Contact, Neutral Iroquoian Transformation, and the Little Ice Age -- Penumbral Protohistory on Lake Erie's South Shore -- The Protohistoric Monongahela and the Case for an Iroquois Connection -- Transformation of the Fort Ancient Cultures of the Central Ohio Valley -- Monacan Archaeology of the Virginia Interior, A.D. 1400-1700 -- Tribes and Traders on the North Carolina Piedmont, A.D. 1000-1710 -- The Rise and Fall of Coosa, A.D. 1350-1700 -- The Emergence and Demise of the Calusa -- The Late Prehistoric and Protohistoric Periods in the Central Mississippi Valley -- The Vacant Quarter Hypothesis and the Yazoo Delta -- Prelude to History on the Eastern Prairies --

	Postscript.
Sommario/riassunto	While contact with explorers, missionaries, and traders made a significant impact on natives of the Eastern Woodlands, Indian peoples cannot be solely understood from the historical record. Here, in Societies in Eclipse, archaeologists combine recent research with insights from anthropology, historiography, and oral tradition to examine the cultural landscape preceding and immediately following the arrival of Europeans. The evidence suggests that native societies were in the process of significant cultural transformation prior to contact.

2.

Record Nr.	UNISA996384119303316
Titolo	Reflections upon the new test, and the reply thereto [[electronic resource]] : with a letter of Sir Francis Walsingham's, concerning the penal laws made in the reign of Queen Elizabeth
Pubbl/distr/stampa	London, : [s.n.], 1687
Descrizione fisica	[2], 20 p
Altri autori (Persone)	WalsinghamFrancis, Sir, <1532-1590.>
Soggetti	Church and state - England Dissenters, Religious - Legal status, laws, etc Great Britain History Elizabeth, 1558-1603
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in Huntington Library. "Sir Fr. Walsingham's letter to Monsieur Critoy concerning the Queens proceedings against both papists and Puritans": p. 15-20.
Sommario/riassunto	eebo-0113

3. Record Nr. UNINA9910821695203321

Autore	Matuttis Hans-Georg
Titolo	Understanding the discrete element method : simulation of non-spherical particles for granular and multi-body systems / / Hans-Georg Matuttis, Jian Chen
Pubbl/distr/stampa	Singapore : , : Wiley, , 2014 ©2014
ISBN	1-118-56728-5 1-118-56722-6 1-118-56721-8
Descrizione fisica	1 online resource (480 p.)
Disciplina	531/.163
Soggetti	Granular flow Discrete element method Multibody systems Mechanics, Applied - Computer simulation
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 at the end of each chapters and index.
Nota di contenuto	UNDERSTANDING THE DISCRETE ELEMENT METHOD SIMULATION OF NON-SPHERICAL PARTICLES FOR GRANULARAND MULTI-BODY SYSTEMS; Copright; Contents; Exercises; About the Authors; Preface; Acknowledgements; List of Abbreviations; 1 Mechanics; 1.1 Degrees of freedom; 1.1.1 Particle mechanics and constraints; 1.1.2 From point particles to rigid bodies; 1.1.3 More context and terminology; 1.2 Dynamics of rectilinear degrees of freedom; 1.3 Dynamics of angular degrees of freedom; 1.3.1 Rotation in two dimensions; 1.3.2 Moment of inertia; 1.3.3 From two to three dimensions 1.3.4 Rotation matrix in three dimensions1.3.5 Three-dimensional moments of inertia; 1.3.6 Space-fixed and body-fixed coordinate systems andequations of motion; 1.3.7 Problems with Euler angles; 1.3.8 Rotations represented using complex numbers; 1.3.9 Quaternions; 1.3.10 Derivation of quaternion dynamics; 1.4 The phase space; 1.4.1 Qualitative discussion of the time dependence of linear

oscillations; 1.4.2 Resonance; 1.4.3 The flow in phase space; 1.5 Nonlinearities; 1.5.1 Harmonic balance; 1.5.2 Resonance in nonlinear systems; 1.5.3 Higher harmonics and frequency mixing
1.5.4 The van der Pol oscillator1.6 From higher harmonics to chaos; 1.6.1 The bifurcation cascade; 1.6.2 The nonlinear frictional oscillator and Poincar e maps; 1.6.3 The route to chaos; 1.6.4 Boundary conditions and many-particle systems; 1.7 Stability and conservationlaws; 1.7.1 Stability in statics; 1.7.2 Stability in dynamics; 1.7.3 Stable axes of rotation around the principal axis; 1.7.4 Noether's theorem and conservation laws; 1.8 Further reading; Exercises; References; 2Numerical Integration of OrdinaryDifferential Equations; 2.1 Fundamentals of numerical analysis
2.1.1 Floating point numbers2.1.2 Big-O notation; 2.1.3 Relative and absolute error; 2.1.4 Truncation error; 2.1.5 Local and global error; 2.1.6 Stability; 2.1.7 Stable integrators for unstable problems; 2.2 Numerical analysis for ordinary differential equations; 2.2.1 Variable notation and transformation of the order of adifferential equation; 2.2.2 Differences in the simulation of atoms and molecules,as compared to macroscopic particles; 2.2.3 Truncation error for solutions of ordinary differential equations; 2.2.4 Fundamental approaches; 2.2.5 Explicit Euler method
2.2.6 Implicit Euler method2.3 Runge-Kutta methods; 2.3.1 Adaptive step-size control; 2.3.2 Dense output and event location; 2.3.3 Partitioned Runge-Kutta methods; 2.4 Symplectic methods; 2.4.1 The classical Verlet method; 2.4.2 Velocity-Verlet methods; 2.4.3 Higher-order velocity-Verlet methods; 2.4.4 Pseudo-symplectic methods; 2.4.5 Order, accuracy and energy conservation; 2.4.6 Backward error analysis; 2.4.7 Case study: the harmonic oscillator with andwithout viscous damping; 2.5 Stiff problems; 2.5.1 Evaluating computational costs; 2.5.2 Stiff solutions and error as noise
2.5.3 Order reduction

Sommario/riassunto

Gives readers a more thorough understanding of DEM and equips researchers for independent work and an ability to judge methods related to simulation of polygonal particles Introduces DEM from the fundamental concepts (theoretical mechanics and solidstate physics), with 2D and 3D simulation methods for polygonal particlesProvides the fundamentals of coding discrete element method (DEM) requiring little advance knowledge of granular matter or numerical simulationHighlights the numerical tricks and pitfalls that are usually only realized after years o