

1. Record Nr.	UNISANNIOCAG1532182
Autore	Carruccio, Antonio
Titolo	Sovra il cigno piÃ¹ raro in Italia (Cygnus bewicki yarr.) preso a S. Rossore (Pisa) e donato da S.M. il Re al Museo zoologico della r. UniversitÃ di Roma : note zoologiche ed anatomiche comunicate alla societa zoologica italiana dal prof. Antonio Carruccio
Pubbl/distr/stampa	[S.l.] : [s.n.], [dopo il 1903]
Descrizione fisica	20 p. ; 25 cm
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Collocazione	BNMISC. Busta B 153.67
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2. Record Nr.	UNINA990008785310403321
Autore	NATO Advanced Study Institute on Nucleoside Analogues : <1979
Titolo	Nucleoside analogues : chemistry, biology, and medical applications / edited by Richard T. Walker, Erik de Clercq, and Fritz Eckstein
Pubbl/distr/stampa	New York : Plenum press, 1979
ISBN	0-306-40302-1
Descrizione fisica	x, 459 p. : ill. ; 26 cm
Collana	NATO ASI series . Series A , Life sciences ; 26
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3. Record Nr.	UNINA9910830844703321
Autore	Spatschek Karl-Heinz
Titolo	High temperature plasmas : theory and mathematical tools for laser and fusion plasmas / / Karl-Heinz Spatschek
Pubbl/distr/stampa	Weinheim, Germany : , : WILEY-VCH Verlag, , 2012 ©2012
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Nota di contenuto	Cover; Half Title page; Title page; Copyright page; Preface; Chapter 1: Introduction; 1.1 Quasineutrality and Debye Shielding; 1.2 Degree of Ionization; 1.3 Characteristic Parameters; 1.4 Individual and Collective Effects; 1.5 Fusion Processes; Chapter 2: Single Particle Motion; 2.1 Heuristic Approaches to Guiding Center Motion; 2.2 Systematic Averaging; 2.3 Motion of a Single Particle (Electron) in an Electromagnetic Wave; 2.4 Lagevin Approach; Chapter 3: Plasma in Thermodynamic Equilibrium; 3.1 Basic Approach; 3.2 A Heuristic Derivation of the Modified Equation of State 3.3 The Holtsmark Distribution for Electric MicrofieldsChapter 4: Kinetic Description of Nonequilibrium Plasmas; 4.1 Historical Remarks on Well-Known Kinetic Equations; 4.2 BBGKY Hierarchy; 4.3 Vlasov Equation and Landau Damping; 4.4 Z-Function and Dispersive Properties of a Collisionless and Unmagnetized Plasma; 4.5 Landau-Fokker-Planck Equation; 4.6 Kinetic Description of Strongly Magnetized Plasmas; Chapter 5: Fluid Description; 5.1 Moments and Hierarchy of Moment Equations; 5.2 Truncation of the Corresponding Hierarchy in the Case of the Boltzmann Equation 5.3 General Outline and Models for Plasmas5.4 MHD Model; 5.5 Simple MHD Applications; Chapter 6: Principles of Linear and Stochastic Transport; 6.1 Moments in Linear Transport Theory; 6.2 The

Hydrodynamic Regime in Linear Transport Theory; 6.3 Summary of Linear Transport Coefficients; 6.4 Nonlinear Transport Phenomenology; 6.5 Simple Models in Stochastic Transport Theory; 6.6 Basic Statistics for Magnetic Field Lines and Perpendicular Particle Diffusion; 6.7 Phenomenology of Stochastic Particle Diffusion Theory in Perpendicular Direction
6.8 Stochastic Theory of the Parallel Test Particle Diffusion Coefficient
Chapter 7: Linear Waves and Instabilities; 7.1 Waves and Instabilities in the Homogeneous Vlasov Description; 7.2 Waves and Instabilities in Inhomogeneous Vlasov Systems; 7.3 Waves and Instabilities in the Magnetohydrodynamic Description; Chapter 8: General Theory of Nonlinear Waves and Solitons; 8.1 Historical Remarks; 8.2 The Generalized KdV Equation for Ion-Acoustic Solitons; 8.3 Envelope Solitons; 8.4 Nonlinear Langmuir Waves; 8.5 Longitudinal Stability of Generalized Langmuir Solitons; 8.6 Transverse Instabilities
8.7 The Collapse Phenomenon and the Existence of Stable 3D Solitons
Chapter 9: Nonlinear Wave Aspects in Laser-Matter Interaction; 9.1 History and Perspectives of Laser-Plasma Interaction; 9.2 Time- and Space-Dependent Maxwell Fluid Models; 9.3 Stationary Wave Solutions and Their Stability; 9.4 Parametric Instabilities in the Relativistic Regime; 9.5 Solitary Envelope Solutions and Their Stability; 9.6 Wake Field Excitation; 9.7 Breaking of Wake Fields; Appendix A: Units; Appendix B: Fourier and Laplace Transforms for Pedestrians
Appendix C: The Inverse Scattering Transform (IST) for Nonlinear Waves

Sommario/riassunto

Filling the gap for a treatment of the subject as an advanced course in theoretical physics with a huge potential for future applications, this monograph discusses aspects of these applications and provides theoretical methods and tools for their investigation. Throughout this coherent and up-to-date work the main emphasis is on classical plasmas at high-temperatures, drawing on the experienced author's specialist background. As such, it covers the key areas of magnetic fusion plasma, laser-plasma-interaction and astrophysical plasmas, while also including nonlinear waves and phenomena. Fo
