

1. Record Nr.	UNINA9910830631503321
Autore	Menk Frederick W
Titolo	Magnetoseismology [[electronic resource] ] : ground-based remote sensing of Earth's magnetosphere // Frederick W. Menk and Colin L. Waters
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2013
ISBN	3-527-65207-8 3-527-65205-1 3-527-65208-6
Descrizione fisica	1 online resource (281 p.)
Altri autori (Persone)	WatersColin L
Disciplina	538.766
Soggetti	Magnetosphere Magnetospheric physics
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	Magnetoseismology: Ground-based remote sensing of the Earth's magnetosphere; Contents; Preface; Color Plates; 1 Introduction; 1.1 Purpose of This Book; 1.2 The Solar Wind; 1.3 Fluctuations in the Solar Wind; 1.4 Early Observations of Geomagnetic Variations; 1.5 Properties of Geomagnetic Variations; 2 The Magnetosphere and Ionosphere; 2.1 The Geomagnetic Field; 2.2 Structure of Earth's Magnetosphere; 2.3 Magnetospheric Current Systems; 2.3.1 Magnetopause Current; 2.3.2 Tail Current and Reconnection; 2.3.3 Ring Current; 2.3.4 Field-Aligned Currents; 2.3.5 Ionospheric Currents 2.4 The Radiation Belts 2.5 The Inner Magnetosphere; 2.6 Formation and Properties of the Ionosphere; 2.7 Geomagnetic Disturbances; 2.8 Space Weather Effects; 3 ULF Plasma Waves in the Magnetosphere; 3.1 Basic Properties of a Plasma; 3.2 Particle Motions; 3.2.1 Motions of Isolated Charged Particles; 3.2.2 First Adiabatic Invariant; 3.2.3 Second Adiabatic Invariant; 3.2.4 Third Adiabatic Invariant; 3.3 Low-Frequency Magnetized Plasma Waves; 3.3.1 Equations of Linear MHD; 3.3.2 The Wave Equation; 3.4 The Shear Alfvén Mode in a Dipole Magnetic Field; 3.4.1 Toroidal Oscillation of Field Lines 3.5 MHD Wave Mode Coupling in One Dimension 3.6 An Alternative Derivation of the Plasma Wave Equation, from Electromagnetism; 4

Sources of ULF Waves; 4.1 Introduction; 4.2 Exogenic Sources; 4.3 Boundary Instabilities; 4.4 Field Line Resonances; 4.5 Cavity and Waveguide Modes; 4.6 Spatially Localized Waves; 4.7 Ion Cyclotron Waves; 5 Techniques for Detecting Field Line Resonances; 5.1 Introduction; 5.2 Variation in Spectral Power with Latitude; 5.3 Variation of Phase with Latitude; 5.4 Wave Polarization Properties; 5.5 Spectral Power Difference and Division; 5.6 Single Station H/D; 5.7 Cross-Phase from Latitudinally Separated Sensors; 5.8 Using ULF Wave Polarization Properties; 5.9 Automated Detection Algorithms; 6 Ground-Based Remote Sensing of the Magnetosphere; 6.1 Estimating Plasma Mass Density; 6.2 Travel Time Method of Tamao; 6.3 Determining Electron Density; 6.4 Verification of Ground-Based Mass Density Measurements; 6.5 Determining Ion Concentrations; 6.6 Field-Aligned Plasma Density; 6.7 Plasma Density at Low Latitudes; 6.8 Plasma Density at High Latitudes; 7 Space Weather Applications; 7.1 Magnetospheric Structure and Density; 7.2 Plasmapause Dynamics; 7.3 Density Notches, Plumes, and Related Features; 7.4 Refilling of the Plasmasphere; 7.5 Longitudinal Variation in Density; 7.6 Solar Cycle Variations in Density; 7.7 Determining the Open/Closed Field Line Boundary; 7.8 Determining the Magnetospheric Topology at High Latitudes; 7.9 Wave-Particle Interactions; 7.10 Radial Motions of Flux Tubes; 8 ULF Waves in the Ionosphere; 8.1 Introduction; 8.2 Electrostatic and Inductive Ionospheres; 8.3 ULF Wave Solution for a Thin Sheet Ionosphere; 8.4 ULF Wave Solution for a Realistic Ionosphere; 8.5 FLRs and the Ionosphere; 8.6 Remote Sensing ULF Electric Fields in Space

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Sommario/riassunto

This book provides a comprehensive account of magnetoseismology - the tool to monitor space weather. Written by researcher on the forefront of this field, it conveys the physics behind the phenomena and the methods to detect and investigate them, the relevance to communication, power supply and many other critical systems. In addition, it provides computational codes for analysis and evaluation.

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2. Record Nr.	UNINA9910682571203321
Autore	van Lange Milan
Titolo	Emotional Imprints of War : A Computer-Assisted Analysis of Emotions in Dutch Parliamentary Debates, 1945-1989 // Milan van Lange
Pubbl/distr/stampa	Bielefeld : , : Bielefeld University Press, , [2023] ©2023
ISBN	9783839464854
Edizione	[1st ed.]
Descrizione fisica	1 online resource (330 p.)
Collana	Digital Humanities Research , , 2749-1986 ; ; 6
Disciplina	322.4309492
Soggetti	Political oratory - Netherlands - Data processing World War, 1939-1945 - Netherlands - Influence HISTORY / Social History Netherlands Politics and government 1945-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Contents -- 1. Introduction . On War, Emotions, and Computers in History -- 2. Emotions -- 3. Materials and Data . Digitised Sources and a Lexicon -- 4. Methods and Operationalisation . A Computer-assisted Approach to the Analysis of Digitised Historical Texts -- 5. Peering Through the Macroscopic . Baseline and Background -- Case Study 1 . 'The Resistance' -- Introduction -- A History of Resistance Legislation (1947–1985) -- 6. Erratic Emotions . Mining the Underground in the Dutch Parliament -- 7. A Strong Disposition . Discussing the Pension Act for Extraordinary Government Employees -- Case Study 2 . 'War Victims' -- Introduction -- A History of Alleviating War Victims' Suffering in Parliament (1945–1989 -- 8. Emotional Consistency . A Macroscopic View on War Victim Debates -- 9. Emotional Scaffolding . The Construction of War Victim Legislation in Parliament -- 10. Conclusion . On the Role of Emotions and Computers -- Supplements -- Bibliography -- Author Information
Sommario/riassunto	Historical research can be enhanced by methods and resources from various disciplines, ranging from psychology to computer linguistics. With a creative and innovative perspective on ›things we think we know ‹, Milan van Lange presents a computer-assisted historical investigation

into the role of emotions in dealing with consequences of World War II in the Netherlands. By ›emotion mining‹ digitised sources, van Lange shows where emotions were present and how they were expressed and discussed in the political engagement with people who experienced long-term effects of the war, such as former collaborators and war criminals, the resistance, and war victims.

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