1. Record Nr. UNINA9910455266903321

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| Titolo | Physics of the sun and its atmosphere [[electronic resource] ] : proceedings of the National Workshop (India) on "Recent Advances in Solar Physics" : Meerut College, Meerut, India, 7-10 November, 2006 / / editors, B.N. Dwivedi, U. Narain |
| Pubbl/distr/stampa | Hackensack, NJ ; ; Singapore, : World Scientific, c2008 |
| ISBN | 981-283-272-6 |
| Descrizione fisica | 1 online resource (296 p.) |
| Altri autori (Persone) | DwivediB. N. <1950-><br>NarainU (Udit) |
| Disciplina | 523.7 |
| Soggetti | Solar activity<br>Solar atmosphere<br>Electronic books.<br>Sun Congresses |
| 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. |
| Nota di contenuto | Preface; Acknowledgements; CONTENTS; Chapter 1: Recent Advances in Solar Physics B.N. Dwivedi; 1.1. Introduction; 1.2. Main Contents; 1.3. Concluding Remarks; Chapter 2: Overview of the Sun S.S. Hasan; 2.1. Introduction; 2.2. Internal Processes; 2.2.1. Helioseismology and rotation; 2.2.2. Magnetic field generation; 2.3. Solar Magnetism; 2.3.1. Quiet Sun magnetism; 2.3.2. Sunspots; 2.3.2.1. Structure; 2.3.2.2. Solar cycle; 2.3.3. Active regions; 2.4. Processes in the Corona; 2.4.1. Eruptive phenomena; 2.4.1.1. Flares; 2.4.1.2. Coronal Mass Ejections (CMEs); 2.4.2. Other phenomena<br>2.5. Future PerspectivesReferences; Chapter 3: Seismic View of the Sun S.M. Chitre and B.N. Dwivedi; 3.1. Introduction; 3.2. Solar Neutrinos; 3.3. Seismic Sun; 3.4. Inconstant Sun; Acknowledgements; References; Chapter 4: Solar Magnetism P. Venkatakrishnan and S. Gosain; INTRODUCTION; PART 1. FUNDAMENTALS; 4.1. Sunspots and the Eleven Year Sunspot Cycle; 4.2. Magnetic Cycle; 4.3. Basic MHD; 4.4. MHD Approximation; 4.5. Solar Dynamo; 4.6. Force-free Fields; 4.7. Solar Eruptions; 4.8. Coronal Mass Ejections; PART 2. MEASUREMENT |

TECHNIQUES; 4.9. Polarization of Light; 4.10. Zeeman Effect
4.11. Hanle Effect4.12. Solar Magnetographs; 4.13. GONG Magnetograph; 4.14. USO Solar Vector Magnetograph; 4.15. Future Directions; References; Chapter 5: Waves and Oscillations in the Solar Atmosphere R. Erdelyi; 1. Introduction; 1.1. Importance of Atmospheric Magnetism; 1.2. Atmospheric Heating Mechanisms; 2. Equations of Ideal and Dissipative MHD; 2.1. Linear MHD Equations; 2.2. MHD Waves in Ideal Uniform Plasmas; 2.3. MHD Waves in Ideal Inhomogeneous Plasmas; 2.3.1. MHD waves at magnetic interface; 2.3.2. Waves in magnetic slab; 2.3.3. MHD waves in magnetic cylinder
2.3.4. MHD waves in magnetically twisted cylinder2.3.5. MHD oscillations in annular magnetic cylinders; 2.4. Magneto-Seismology: Inhomogeneous Magnetic Field; 2.4.1. Magnetic field and plasma density equilibrium; 2.4.2. Governing equation and analysis; 2.5. Mechanism of Resonant Absorption; 2.6. Process of Phase Mixing; 3. MHD Waves in the Lower Solar Atmosphere; 3.1. Magneto-Seismology in the Lower Boundary Layer; 3.2. Wave Leakage from Photosphere; 3.2.1. Global resonant acoustic waves in a stratified atmosphere; 3.3. Propagating Waves into Corona; 3.3.1. Observations of progressive waves
3.3.2. Source of progressive waves4. Where Magneto-Seismology and the Coronal Heating Enigma Meet; 4.1. Inversion and Diagnostics with MHD Waves; 5. Summary; Acknowledgments; References; Chapter 6: VUV Spectroscopy of Solar Plasma A. Mohan; 6.1. Introduction; 6.2. Atomic Processes; 6.2.1. Emission lines; 6.2.2. Coronal model approximation; 6.3. Plasma Diagnostics; 6.3.1. Electron density diagnostics; 6.3.2. Electron temperature diagnostics; 6.4. Nitrogen-Like Ions; 6.4.1. Effects of different processes on level populations; 6.4.2. Result and discussion
6.5. FIP Effect Measurements in the Off-Limb Corona

Sommario/riassunto

This book presents a pedagogical, updated and modern view of the Sun from its interior to its exterior as well as the Sun-Earth system. Written by eminent scientists in solar physics, the chapters deal with recent advances in solar physics, seismic Sun, solar magnetic field, waves and oscillations, spectroscopic diagnostics of solar plasmas, partially ionized lower atmosphere, coronal heating, coronal mass ejections, radio Sun, solar wind, and the Sun-Earth system. Each chapter is fully illustrated and has a comprehensive reference list. The book covers all major topics in solar physics, and p

2. Record Nr. UNINA9910791883303321

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| Autore | Madge Steve |
| Titolo | Wildfowl [[electronic resource] ] : An Identification Guide to the Ducks, Geese and Swans of the World |
| Pubbl/distr/stampa | London, : A&C Black, 2010 |
| ISBN | 1-282-98605-8<br>9786612986055<br>1-4081-3895-6<br>1-4081-3498-5 |
| Descrizione fisica | 1 online resource (980 p.) |
| Collana | Helm Identification Guides |
| Disciplina | 598.4/1 |
| Soggetti | Anatidae<br>Birds<br>Water birds |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di contenuto | Cover; Title Page; Copyright Page; Contents; Foreword Roger Tory Peterson; Introduction; How to use this book; Field observation; Acknowledgements; Systematic section; 1 Magpie Goose Anseranas semipalmata; 2 Spotted Whistling Duck Dendrocygna guttata; 3 Plumed Whistling Duck Dendrocygna eytoni; 4 Fulvous Whistling Duck Dendrocygna bicolor; 5 Wandering Whistling Duck Dendrocygna arcuata; 6 Lesser Whistling Duck Dendrocygna javanica; 7 White-faced Whistling Duck Dendrocygna viduata; 8 Black-billed Whistling Duck Dendrocygna arborea; 9 Black-bellied Whistling Duck Dendrocygna autumnalis<br>10 White-backed Duck Thalassornis leuconotus11 Cape Barren Goose Cereopsis novaehollandiae; 12 Swan Goose Anser cygnoides; 13 Bean Goose Anser fabalis; 14 Pink-footed Goose Anser brachyrhynchus; 15 White-fronted Goose Anser albifrons; 16 Lesser White-fronted Goose Anser erythropus; 17 Greylag Goose Anser anser; 18 Bar-headed Goose Anser indicus; 19 Snow Goose Anser caerulescens; 20 Ross's Goose Anser rossii; 21 Emperor Goose Anser canagicus; 22 Hawaiian Goose Branta sandvicensis; 23 Canada Goose Branta canadensis; 24 Barnacle |

Goose Branta leucopsis; 25 Brent Goose Branta bernicla
26 Red-breasted Goose Branta ruficollis27 Coscoroba Swan Coscoroba coscoroba; 28 Trumpeter Swan Olor buccinator; 29 Whooper Swan Olor cygnus; 30 Whistling Swan Olor columbianus; 31 Bewick's Swan Olor columbianus bewickii; 32 Mute Swan Cygnus olor; 33 Black Swan Cygnus atratus; 34 Black-necked Swan Cygnus melanocoryphus; 35 Freckled Duck Stictonetta naevosa; 36 Spur-winged Goose Plectropterus gambensis; 37 Comb Duck Sarkidiornis melanotos; 38 Ruddy Shelduck Tadorna ferruginea; 39 Cape Shelduck Tadorna cana; 40 Australian Shelduck Tadorna tadornoides; 41 Paradise Shelduck Tadorna variegata
42 Crested Shelduck Tadorna cristata43 Shelduck Tadorna tadorna; 44 Radjah Shelduck Tadorna radjah; 45 Pink-eared Duck Malacorhynchus membranaceus; 46 Egyptian Goose Alopochen aegyptiacus; 47 Orinoco Goose Neochen jubata; 48 Andean Goose Chloephaga melanoptera; 49 Magellan Goose Chloephaga picta; 50 Kelp Goose Chloephaga hybrida; 51 Ashy-headed Goose Chloephaga poliocephala; 52 Ruddy-headed Goose Chloephaga rubidiceps; 53 Blue-winged Goose Cyanochen cyanopterus; 54 Blue Duck Hymenolaimus malacorhynchos; 55 Torrent Duck Merganetta armata; 56 Flying Steamer Duck Tachyeres patachonicus
57 Magellanic Flightless Steamer Duck Tachyeres pteneres58 White-headed Flightless Steamer Duck Tachyeres leucocephalus; 59 Falkland Flightless Steamer Duck Tachyeres brachypterus; 60 Hartlaub's Duck Pteronetta hartlaubi; 61 Muscovy Duck Cairina moschata; 62 White-winged Wood Duck Cairina scutulata; 63 Wood Duck Aix sponsa; 64 Mandarin Aix galericulata; 65 Crested Duck Lophonetta specularioides; 66 Green Pygmy Goose Nettapus pulchellus; 67 Cotton Pygmy Goose Nettapus coromandelianus; 68 African Pygmy Goose Nettapus auritus; 69 Salvadori's Duck Salvadorina waigiuensis
70 African Black Duck Anas sparsa

Sommario/riassunto

A summary of information on 154 species of duck, geese and swans of the world intended as an identification manual for the wildfowl enthusiast that goes beyond a regional basis and is light enough to be used as a handy reference book in the field. The text not only clarifies identification techniques but fully discusses problematic plumages in detail as well as providing a summary on world distribution and status complemented by clear distribution maps.