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| 1. Record Nr. | UNINA9910438116503321 |
| Autore | Mendonça J.T |
| Titolo | Physics of Ultra-Cold Matter [[electronic resource]] : Atomic Clouds, Bose-Einstein Condensates and Rydberg Plasmas // by J.T. Mendonça, Hugo Terças |
| Pubbl/distr/stampa | New York, NY : , : Springer New York : , : Imprint : Springer, , 2013 |
| ISBN | 1-283-91138-8 1-4614-5413-1 |
| Edizione | [1st ed. 2013.] |
| Descrizione fisica | 1 online resource (410 p.) |
| Collana | Springer Series on Atomic, Optical, and Plasma Physics, , 1615-5653 ; ; 70 |
| Disciplina | 530.4 |
| Soggetti | Phase transformations (Statistical physics) Condensed materials Low temperature physics Low temperatures Plasma (Ionized gases) Atoms Physics Quantum Gases and Condensates Low Temperature Physics Plasma Physics Atoms and Molecules in Strong Fields, Laser Matter Interaction |
| 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 -- Laser Cooling -- Wave Kinetic Approach -- Atomic Clouds -- Waves and Oscillations in Clouds -- Photons in the Ultra-Cold Gas -- Bose Einstein Condensates -- Elementary Excitations in BECs -- Solitons -- Quantum Field Theory of BECs -- Superfluidity -- Rotating BECs -- Quantum Coherence -- Ultra-Cold Plasmas -- Physics of Rydberg Plasmas -- Waves in Rydberg Plasmas -- Kinetic Theory of Waves -- Conclusions -- Appendix. |
| Sommario/riassunto | The advent of laser cooling of atoms led to the discovery of ultra-cold matter, with temperatures below liquid Helium, which displays a variety |

of new physical phenomena. Physics of Ultra-Cold Matter gives an overview of this recent area of science, with a discussion of its main results and a description of its theoretical concepts and methods. Ultra-cold matter can be considered in three distinct phases: ultra-cold gas, Bose Einstein condensate, and Rydberg plasmas. This book gives an integrated view of this new area of science at the frontier between atomic physics, condensed matter, and plasma physics. It describes these three distinct phases while exploring the differences, as well as the sometimes unexpected similarities, of their respective theoretical methods. This book is an informative guide for researchers, and the benefits are a result from an integrated view of a very broad area of research, which is limited in previous books about this subject. The main unifying tool explored in this book is the wave kinetic theory based on Wigner functions. Other theoretical approaches, eventually more familiar to the reader, are also given for extension and comparison. The book considers laser cooling techniques, atom-atom interactions, and focuses on the elementary excitations and collective oscillations in atomic clouds, Bose-Einstein condensates, and Rydberg plasmas. Linear and nonlinear processes are considered, including Landau damping, soliton excitation and vortices. Atomic interferometers and quantum coherence are also included.

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| 2. Record Nr. | UNINA9910141305403321 |
| Autore | Gray Richard <1944-> |
| Titolo | After the fall : American literature since 9/11 // Richard Gray |
| Pubbl/distr/stampa | London, England ; ; Malden, Massachusetts : , : Wiley-Blackwell, , [2011] ©2021 |
| ISBN | 1-283-40833-3 9786613408334 1-4443-9586-6 1-4443-9584-X |
| Descrizione fisica | 1 online resource (236 p.) |
| Collana | Blackwell manifestos |
| Disciplina | 810.9006 |
| Soggetti | American literature - History and criticism - 21st century Nationalism in literature |
| 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 | After the Fall: American Literature Since 9/11; Contents; Acknowledgments; 1 After the Fall; 2 Imagining Disaster; 3 Imagining Crisis; 4 Imagining the Transnational; 5 Imagining the Crisis in Drama and Poetry; Works Cited; Index |
| Sommario/riassunto | After the Fall presents a timely and provocative examination of the impact and implications of 9/11 and the war on terror on American culture and literature. Presents the first detailed interrogation of U.S. writing in a time of crisis Develops a timely and provocative argument about literature and trauma Relates U.S. writing since 9/11 to crucial social and historical changes in the U.S. and elsewhere Places U.S. writing in the context of the transformed position of the U.S. in a world characterized by political, economic, and military crisis; transn |