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Autore	Choudhuri, Arnab Rai
Titolo	Astrophysics for physicists / Arnab Rai Choudhuri
Pubbl/distr/stampa	Cambridge, UK ; New York : Cambridge University Press, 2010
ISBN	9780521815536 (hardback)
Descrizione fisica	xviii, 471 p. : ill. ; 26 cm
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Soggetti	Astrophysics - Textbooks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Machine generated contents note: 1. Introduction; 2. Interaction of radiation with matter; 3. Stellar astrophysics I: basic theoretical ideas and observational data; 4. Stellar astrophysics II: nucleosynthesis and other advance topics; 5. End states and stellar collapse; 6. Our galaxy and its interstellar matter; 7. Elements of stellar dynamics; 8. Elements of plasma astrophysics; 9. Extragalactic astronomy; 10. The spacetime dynamics of the Universe; 11. The thermal history of the Universe; 12. Elements of tensors and general relativity; 13. Some applications of general relativity; 14. Relativistic cosmology; Appendixes; References; Index.
Sommario/riassunto	"Designed for teaching astrophysics to physics students at advanced undergraduate or beginning graduate level, this textbook also provides an overview of astrophysics for astrophysics graduate students, before they delve into more specialized volumes. Assuming background knowledge at the level of a physics major, the textbook develops astrophysics from the basics without requiring any previous study in astronomy or astrophysics. Physical concepts, mathematical derivations and observational data are combined in a balanced way to provide a unified treatment. Topics such as general relativity and plasma physics, which are not usually covered in physics courses but used extensively in astrophysics, are developed from first principles. While the emphasis is on developing the fundamentals thoroughly, recent important discoveries are highlighted at every stage"--Provided by publisher.

"This textbook develops astrophysics from the basics without requiring any previous study in astronomy or astrophysics. Physical concepts, mathematical derivations and observational data are combined in a balanced way to provide a unified treatment"--Provided by publisher.

2. Record Nr. UNICAMPANIAVAN0275114

Titolo	Parallel-in-Time Integration Methods : 9th Parallel-in-Time Workshop, June 8–12, 2020 / Benjamin Ong ... [et al.] editors
Pubbl/distr/stampa	Cham, : Springer, 2021
Descrizione fisica	ix, 127 p. : ill. ; 24 cm
Soggetti	65-XX - Numerical analysis [MSC 2020] 00B25 - Proceedings of conferences of miscellaneous specific interest [MSC 2020] 65Y20 - Complexity and performance of numerical algorithms [MSC 2020] 65L06 - Multistep, Runge-Kutta and extrapolation methods for ordinary differential equations [MSC 2020] 65M12 - Stability and convergence of numerical methods for initial value and initial-boundary value problems involving PDEs [MSC 2020] 65Y05 - Parallel numerical computation [MSC 2020] 65M55 - Multigrid methods; domain decomposition for initial value and initial-boundary value problems involving PDEs [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia