

1. Record Nr.	UNICAMPANIAVAN00275457
Autore	Wu, Xinyuan
Titolo	Geometric Integrators for Differential Equations / Xinyuan Wu, Bin Wang
Pubbl/distr/stampa	Singapore, : Springer, 2021
Descrizione fisica	xviii, 499 p. : ill. ; 24 cm
Altri autori (Persone)	Wang, Bin
Soggetti	34C15 - Nonlinear oscillations and coupled oscillators for ordinary differential equation [MSC 2020] 65-XX - Numerical analysis [MSC 2020] 65Dxx - Numerical approximation and computational geometry (primarily algorithms) [MSC 2020] 65Lxx - Numerical methods for ordinary differential equations [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910917191803321
Autore	Demtröder Wolfgang
Titolo	Astrophysics / / by Wolfgang Demtröder
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031221354 3031221354
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (285 pages)
Collana	Undergraduate Lecture Notes in Physics, , 2192-4805
Disciplina	523.01
Soggetti	Astrophysics Astronomy - Observations Sun Astronomy, Observations and Techniques Solar Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Introduction -- Basic Principles and Techniques of Experimental Astronomy -- Measuring Techniques and Detectors -- Our Solar System -- Birth, Lifetime and Death of Stars -- The Development and Present Structure of the Universe -- Our Home Galaxy: The Milky Way -- The Dark Universe -- The Evolution of our Solar System -- Solutions of Problems.
Sommario/riassunto	This introduction to astronomy and astrophysics provides an accessible and clear treatment of the fundamentals. Starting with experimental astronomy, observation techniques and structure and properties of the components of the solar system, this textbook enables the reader to understand the basics in astrophysics. The text is written from the experimental physics point of view, giving numerous real life examples and detailed instrumentation and experimental methods. This highly motivating presentation deepens the knowledge in a very accessible way. The second part of the text gives a concise introduction to stars and extra-solar planets. The stellar evolution and categorization is explained. The last part features cosmological models, galaxy evolution and large scale objects in the universe. Numerous problems with solutions are perfect for self-study.

