1. Record Nr. UNINA9910465135903321

Autore	Frolov V. P (Valerii Pavlovich)
Titolo	Introduction to black hole physics [[electronic resource] /] / Valeri P. Frolov & Andrei Zelnikov
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2011
ISBN	0-19-100322-0
Descrizione fisica	1 online resource (505 p.)
Altri autori (Persone)	ZelnikovAndrei
Disciplina	523.8/875
Soggetti	Black holes (Astronomy) Gravitational collapse Stars - Evolution Electronic books.
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	Cover; Contents; 1 Black Holes: Big Picture; 1.1 Gravity and Black Holes; 1.2 Brief History of Black Holes; 1.3 'Dark Stars' vs. Black Holes; 1.4 Final State of Stellar Evolution; 1.5 Equilibrium of Gravitating Systems; 1.6 Important Notions of Astrophysics; 1.7 Black Holes in Astrophysics and Cosmology; 1.8 Stellar-Mass Black Holes; 1.9 Supermassive Black Holes; 1.10 Primordial Black Holes; 1.11 Black Holes in Theoretical Physics; 1.12 Black Holes and Extra Dimensions; 2 Physics in a Uniformly Accelerated Frame; 2.1 Minkowski Spacetime and Its Symmetries 2.2 Minkowski Spacetime in Curved Coordinates2.3 Uniformly Accelerated Reference Frame; 2.4 Homogeneous Gravitational Field; 2.5 Causal Structure; 2.6 Wick's Rotation in the Rindler Space; 3 Riemannian Geometry; 3.1 Differential Manifold. Tensors; 3.2 Metric; 3.3 Covariant Derivative; 3.4 Lie and Fermi Transport; 3.5 Curvature Tensor; 3.6 Parallel Transport of a Vector; 3.7 Spacetime Symmetries; 3.8 Submanifold; 3.9 Integration; 4 Particle Motion in Curved Spacetime; 4.1 Equations of Motion; 4.2 Phase Space; 4.3 Complete Integrability; 5 Einstein Equations; 5.1 Einstein-Hilbert Action 5.2 Einstein Equations5.3 Linearized Gravity; 5.4 Gravitational radiation; 5.5 Gravity in Higher-Dimensions; 6 Spherically Symmetric Black Holes; 6.1 Spherically Symmetric Gravitational Field; 6.2

Schwarzschild-de Sitter Metric; 6.3 Global Structure of the Schwarzschild Spacetime; 6.4 Black Hole Interior; 6.5 Painleve-Gullstrand Metric; 6.6 Eddington-Finkelstein Coordinates; 6.7 Charged Black Holes; 6.8 Higher-Dimensional Spherical Black Holes; 7 Particles and Light Motion in Schwarzschild Spacetime; 7.1 Equations of Motion; 7.2 Particle Trajectories; 7.3 Kepler's Law; 7.4 Light Propagation
7.5 Ray-Tracing in Schwarzschild Spacetime7.6 Black Hole as a Gravitational Lens; 7.7 Radiation from an Object Moving Around the Black Hole; 7.8 Equations of Motion in 'Tilted' Spherical Coordinates; 7.9 Magnetized Schwarzschild Black Hole; 7.10 Particle and Light Motion Near Higher-Dimensional Black Holes; 8 Rotating Black Holes; 8.1 Kerr Spacetime; 8.2 Ergosphere. Horizon; 8.3 Particle and Light Motion in Equatorial Plane; 8.4 Spinning up the Black Hole; 8.5 Geodesics in Kerr Spacetime: General Case; 8.6 Light Propagation; 8.7 Hidden Symmetries of Kerr Spacetime
8.8 Energy Extraction from a Rotating Black Hole8.9 Black Holes in External Magnetic Field; 9 Classical and Quantum Fields near Black Holes; 9.1 Introduction; 9.2 Static Field in the Schwarzschild Spacetime; 9.3 Dimensional Reduction; 9.4 Quasinormal Modes; 9.5 Massless Fields in the Kerr Spacetime; 9.6 Black Hole in a Thermal Bath; 9.7 Hawking Effect; 9.8 Quantum Fields in the Rindler Spacetime; 9.9 Black Hole Thermodynamics; 9.10 Higher-Dimensional Generalizations; 10 Black Holes and All That Jazz; 10.1 Asymptotically Flat Spacetimes; 10.2 Black Holes: General Definition and Properties
10.3 Black Holes and Search for Gravitational Waves

Sommario/riassunto

What is a black hole? How many of them are in our Universe? Can black holes be created in a laboratory or in particle colliders? Can objects similar to black holes be used for space and time travel? This text discusses these and many other questions providing the reader with the tools required to explore the Black Hole Land independently.

2.

Record Nr.	UNINA9910702696903321
Autore	Scarf F. L.
Titolo	Plasma wave experiment for the ISEE-3 mission / / by F.L. Scarf, principal investigator
Pubbl/distr/stampa	Redondo Beach, California : , : Applied Technology Division TRW Space and Technology Group, Greenbelt, Maryland : , : NASA Goddard Space Flight Center, , 9 November 1983
Descrizione fisica	1 online resource (26 unnumbered pages) : illustrations
Collana	NASA CR ; ; 175132 TRW tech. report ; ; no. 23499-6033-UT.00
Soggetti	Bow waves Collisionless plasmas Earth magnetosphere International Sun Earth Explorer 3 Magnetohydrodynamic stability Solar wind
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Sept. 12, 2014). "9 November 1983."
Nota di bibliografia	Includes bibliographical references (pages [24-26]).

3. Record Nr. UNINA9910229202903321

Titolo	Journal of passthrough entities
Pubbl/distr/stampa	Chicago, IL, : CCH Inc., 1998-
Disciplina	332
Soggetti	Partnership - Taxation - United States Business enterprises - Taxation - Law and legislation - United States Mutual funds - Taxation - United States Real estate investment trusts - Taxation - United States Tax planning - United States Societes de personnes - Impots - Etats-Unis Entreprises - Impots - Droit - Etats-Unis Societes d'investissement - Impots - Etats-Unis Societes immobilieres - Impots - Etats-Unis Planification fiscale - Etats-Unis Business enterprises - Taxation - Law and legislation Mutual funds - Taxation Partnership - Taxation Real estate investment trusts - Taxation Tax planning Periodicals. United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed Title from caption (viewed Apr 4, 2008).