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Disciplina	530.1
Soggetti	Gravitation Observations, Astronomical Astronomy—Observations Astrophysics Geophysics Classical and Quantum Gravitation, Relativity Theory Astronomy, Observations and Techniques Astrophysics and Astroparticles Geophysics/Geodesy
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Gravitational lensing -- The general relativistic N-body problem -- Observable relativistic effects in the solar system -- New results for relativistic parameters from the analysis of Iir measurements -- Very-Long-Baseline Interferometry in astro-, geo-, and gravitational physics -- A gradiometer experiment to detect the gravitomagnetic field of the earth -- The international atomic time and the PTB's clocks -- Gravity-wave astrophysics -- The GEO—project a long-baseline laser interferometer for the detection of gravitational waves -- The optics of an interferometric gravitational-wave antenna -- Mechanical aspects in interferometric gravity wave detectors -- Fermion and Boson stars -- Black holes with hair -- Gravitational fields of rapidly rotating neutron stars: Theoretical foundation -- Gravitational fields of rapidly rotating neutron stars: Numerical results -- A new laboratory experiment for testing Newton's gravitational law -- Matter wave interferometry and

why quantum objects are fundamental for establishing a gravitational theory.

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