

1. Record Nr.	UNIBAS000008549
Autore	Banwell, C. N.
Titolo	Fundamentals of molecular spectroscopy / Colin N. Banwell, Elaine M. McCash
Pubbl/distr/stampa	London [etc.] : McGraw-Hill, c1994
ISBN	0-07-707976-0
Edizione	[4. ed.]
Descrizione fisica	IX, 308 p. : ill. ; 25 cm.
Altri autori (Persone)	McCash, Elaine M.
Disciplina	535.84
Soggetti	Spettroscopia molecolare
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNISA996466701603316
Titolo	Analogue Gravity Phenomenology [[electronic resource] ] : Analogue Spacetimes and Horizons, from Theory to Experiment // edited by Daniele Faccio, Francesco Belgiorno, Sergio Cacciatori, Vittorio Gorini, Stefano Liberati, Ugo Moschella
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2013
ISBN	3-319-00266-X
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XX, 439 p. 124 illus., 95 illus. in color.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 870
Disciplina	530.1
Soggetti	Gravitation Mathematical physics Cosmology Phase transformations (Statistical physics) Condensed materials Optics Electrodynamics Quantum field theory String theory Classical and Quantum Gravitation, Relativity Theory Mathematical Physics Quantum Gases and Condensates Classical Electrodynamics Quantum Field Theories, String Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Black Holes and Hawking Radiation in Spacetime and its Analogues -- Survey of Analogue Spacetimes -- Cosmological Particle Creation in the Lab -- Irrotational, Two-Dimensional Surface Waves in Fluids -- The Basics of Water Waves Theory for Analogue Gravity -- The erenkov Effect Revisited: From Swimming Ducks to Zero Modes in Gravitational Analogues -- Some Aspects of Dispersive Horizons: Lessons from

Surface Waves -- Classical Aspects of Hawking Radiation Verified in Analogue Gravity Experiment -- Understanding Hawking Radiation from Models of Atomic Bose-Einstein Condensates -- Transformation Optics -- Laser Pulse Analogues for Gravity -- An All-Optical Event Horizon in an Optical Analogue of a Laval Nozzle -- Lorentz Breaking Effective Field Theory and Observational Tests -- The Topology of Quantum Vacuum -- Einstein<sup>2</sup> :Brownian Motion Meets General Relativity -- Astrophysical Black Holes: Evidence of a Horizon?.

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## Sommario/riassunto

Analogue Gravity Phenomenology is a collection of contributions that cover a vast range of areas in physics, ranging from surface wave propagation in fluids to nonlinear optics. The underlying common aspect of all these topics, and hence the main focus and perspective from which they are explained here, is the attempt to develop analogue models for gravitational systems. The original and main motivation of the field is the verification and study of Hawking radiation from a horizon: the enabling feature is the possibility to generate horizons in the laboratory with a wide range of physical systems that involve a flow of one kind or another. The years around 2010 and onwards witnessed a sudden surge of experimental activity in this expanding field of research. However, building an expertise in analogue gravity requires the researcher to be equipped with a rather broad range of knowledge and interests. The aim of this book is to bring the reader up to date with the latest developments and provide the basic background required in order to appreciate the goals, difficulties and success stories in the field of analogue gravity. Each chapter of the book treats a different topic explained in detail by the major experts for each specific discipline. The first chapters give an overview of black hole spacetimes and Hawking radiation before moving on to describe the large variety of analogue spacetimes that have been proposed and are currently under investigation. This introductory part is then followed by an in-depth description of what are currently the three most promising analogue spacetime settings, namely surface waves in flowing fluids, acoustic oscillations in Bose-Einstein condensates and electromagnetic waves in nonlinear optics. Both theory and experimental endeavours are explained in detail. The final chapters refer to other aspects of analogue gravity beyond the study of Hawking radiation, such as Lorentz invariance violations and Brownian motion in curved spacetimes, before concluding with a return to the origins of the field and a description of the available observational evidence for horizons in astrophysical black holes.

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3. Record Nr.	UNISANNIOBVE0040463
Autore	Andrei, Paolo
Titolo	Analisi comparativa dei criteri di recepimento della 4. direttiva CEE in Italia, Francia e Spagna / Paolo Andrei, Anna Maria Fellegara
Pubbl/distr/stampa	Milano, : A. Giuffrè, 1993
ISBN	8814040990
Descrizione fisica	VI, 147 p. ; 24 cm
Collana	Università degli studi di Parma, Istituto di ricerche aziendali Gino Zappa , . Ser. Quaderni ; 4
Altri autori (Persone)	Fellegara, Anna Maria
Disciplina	346 346.06648
Soggetti	Bilancio - Diritto comparato
Collocazione	D (AR) 24 003
Lingua di pubblicazione	Italiano Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Segue: Allegati.