

1. Record Nr.	UNINA9910454381603321
Titolo	Proceedings of the XXIII Spanish Relativity Meeting on Reference Frames and Gravitomagnetism [[electronic resource]] : Valladolid, Spain, 6-9 September 2000 // editors, J.F. Pascual-Sanchez ... [et al.]
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Descrizione fisica	1 online resource (380 p.)
Altri autori (Persone)	Pascual SanchezJ. F
Disciplina	530.110151
Soggetti	Gravitational fields Electromagnetism Celestial reference systems 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.
Nota di contenuto	Preface; CONTENTS; INVITED LECTURES ON REFERENCE FRAMES AND GRAVITOMAGNETISM; Spacetime splitting techniques and gravitoelectromagnetism in general relativity; Gravitoelectromagnetism: applications to black hole circular orbits; Gravitomagnetism Lense-Thirring effect and de Sitter precession; Gravitomagnetic phenomena due to spin Lense-Thirring effect and its 1995-2000 measurements with earth satellites; Elements for a theory of relativistic coordinate systems. Formal and physical aspects; Black hole astrophysics: Gravitomagnetism and non keplerian orbits Theory of relativistic-reference frames for high-precision astrometric space missions Geometry and dynamics of the brane-world; Gravitoelectromagnetism; Relativity and nonlocality; General electric-magnetic decomposition of fields positivity and Rainich-like conditions; COMMUNICATIONS ON REFERENCE FRAMES AND GRAVITOMAGNETISM; The dominant energy condition and generalised Rainich conditions; On turning over gyroscopic precession; Solid and ocean earth tides and the detection of some gravitomagnetic effects; Properties of Bel currents;

Sagnac and the g-clock effect revisited

A List of references on spacetime splitting and gravitoelectromagnetism INVITED LECTURE* AND COMMUNICATIONS ON OTHER TOPICS; On thermal equilibrium in general relativity; Entropy in the universe: A new approach; On cyclically symmetrical space times; A theory of time-varying constants; Relations between light like foliations and observers in symplectic mechanics; Scalar field cosmologies; Thermodynamics and the dominant energy condition in gravity theories; Twisting type-N fields with symmetries; Ideal gas Stephani universes

Constructing models for stars and voids in the universe: A comprehensive approach Vacuum spacetimes with an isometry; Multipole corrections to perihelion and node line precession; Comments on purely electric Weyl tensors; Ring-down of an accreting black hole; Magnetised cosmological perturbations: A dynamical systems approach; Contradiction between the Friedmann universe and the local physics; On radiative properties of boost-rotation symmetric type D spacetimes; Classical and relativistic time dilation; Advance of Mercury perihelion explained by cogravity
Generation and detection of high frequency gravitational waves
The intrinsic structure of the Petrov classification; Generation of gravitational waves in de Sitter space-time; List of participants

Sommario/riassunto

This book provides an authoritative overview of the developments in gravitomagnetism which have taken place in the last few years. In particular, experiments for measuring the Lense-Thirring effect with satellites orbiting the Earth are reviewed, and an updated list of references on gravitomagnetism is included. The book also presents diverse research in general relativity and cosmology. It will be of interest to graduate students and researchers in cosmology, astrophysics, astronomy, relativity and applied mathematics. Contents: Spacetime Splitting Techniques and Gravitoelectromagnetism in

2. Record Nr.	UNINA9910767562903321
Titolo	Fun with Algorithms : 4th International Conference, FUN 2007, Castiglioncello, Italy, June 3-5, 2007, Proceedings // edited by Pierluigi Crescenzi, Giuseppe Prencipe, Geppino Pucci
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Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (280 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4475
Classificazione	31.80
Disciplina	005.1
Soggetti	Software engineering Algorithms Artificial intelligence - Data processing Computer science Computer science - Mathematics Discrete mathematics Computer graphics Software Engineering Data Science Theory of Computation Discrete Mathematics in Computer Science Computer Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	On Embedding a Graph in the Grid with the Maximum Number of Bends and Other Bad Features -- Close Encounters with a Black Hole or Explorations and Gatherings in Dangerous Graphs -- Fun with Sub-linear Time Algorithms -- Wooden Geometric Puzzles: Design and Hardness Proofs -- HIROIMONO Is NP-Complete -- Tablatures for Stringed Instruments and Generating Functions -- Knitting for Fun: A Recursive Sweater -- Pictures from Mongolia -- Partial Sorting in a

Partial World -- Efficient Algorithms for the Spoonerism Problem -- High Spies (or How to Win a Programming Contest) -- Robots and Demons (The Code of the Origins) -- The Traveling Beams Optical Solutions for Bounded NP-Complete Problems -- The Worst Page-Replacement Policy -- Die Another Day -- Approximating Rational Numbers by Fractions -- Cryptographic and Physical Zero-Knowledge Proof Systems for Solutions of Sudoku Puzzles -- Sorting the Slow Way: An Analysis of Perversely Awful Randomized Sorting Algorithms -- The Troubles of Interior Design—A Complexity Analysis of the Game Heyawake -- Drawing Borders Efficiently -- The Ferry Cover Problem -- Web Marshals Fighting Curly Link Farms -- Intruder Capture in Sierpinski Graphs -- On the Complexity of the Traffic Grooming Problem in Optical Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the 4th International Conference on Fun with Algorithms, FUN 2007, held in Castiglioncello, Italy in June 2007, co-located with the 14th International Colloquium on Structural Information and Communication Complexity (SIROCCO 2007). The 20 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 41 submissions. The papers are dedicated to the use, design, and analysis of algorithms and data structures, focusing on results that provide amusing, witty but nonetheless original and scientifically profound contributions to the area.
