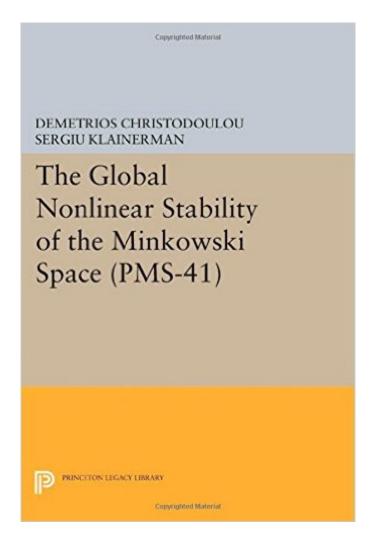
The book was found

The Global Nonlinear Stability Of The Minkowski Space (PMS-41) (Princeton Legacy Library)





Synopsis

The aim of this work is to provide a proof of the nonlinear gravitational stability of the Minkowski space-time. More precisely, the book offers a constructive proof of global, smooth solutions to the Einstein Vacuum Equations, which look, in the large, like the Minkowski space-time. In particular, these solutions are free of black holes and singularities. The work contains a detailed description of the sense in which these solutions are close to the Minkowski space-time, in all directions. It thus provides the mathematical framework in which we can give a rigorous derivation of the laws of gravitation proposed by Bondi. Moreover, it establishes other important conclusions concerning the nonlinear character of gravitational radiation. The authors obtain their solutions as dynamic developments of all initial data sets, which are close, in a precise manner, to the flat initial data set corresponding to the Minkowski space-time. They thus establish the global dynamic stability of the latter. Originally published in 1994. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

Book Information

Series: Princeton Legacy Library

Paperback: 526 pages

Publisher: Princeton University Press (July 14, 2014)

Language: English

ISBN-10: 0691603154

ISBN-13: 978-0691603155

Product Dimensions: 6.1 x 1.1 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,196,365 in Books (See Top 100 in Books) #86 in Books > Science & Math > Mathematics > Geometry & Topology > Non-Euclidean Geometries #760 in Books > Science &

Math > Physics > Relativity

Download to continue reading...

The Global Nonlinear Stability of the Minkowski Space (PMS-41) (Princeton Legacy Library) Global

Propagation of Regular Nonlinear Hyperbolic Waves (Progress in Nonlinear Differential Equations and Their Applications, No. 76) The Ocean of Truth: A Personal History of Global Tectonics (Princeton Legacy Library) Nonlinear Systems: Analysis, Stability, and Control (Interdisciplinary Applied Mathematics) Nonlinear Power Flow Control Design: Utilizing Exergy, Entropy, Static and Dynamic Stability, and Lyapunov Analysis (Understanding Complex Systems) Subaru Legacy & Forester: Legacy 2000 thru 2009 - Forester 2000 thru 2008 - Includes Legacy Outback and Baja (Haynes Repair Manual) Measures and Men (Princeton Legacy Library) The Continuous Wave: Technology and American Radio, 1900-1932 (Princeton Legacy Library) Public Service Liberalism: Telecommunications and Transitions in Public Policy (Princeton Legacy Library) The Transfiguration of History at the Center of Dante's Paradise (Princeton Legacy Library) Joseph Brodsky and the Creation of Exile (Princeton Legacy Library) Mussolini and Fascism: The View from America (Princeton Legacy Library) The Anatomy of Mountain Ranges (Princeton Legacy Library) Differential Geometry of Complex Vector Bundles (Princeton Legacy Library) Lectures on Riemann Surfaces: Jacobi Varieties (Princeton Legacy Library) Phanerozoic Diversity Patterns: Profiles in Macroevolution (Princeton Legacy Library) The Nature of Space and Time (Princeton Science Library) The Miracle of Bio-Identical Hormones: How I Lost My Fatigue, Hot Flashes, ADHD, ADD, Fibromyalgia, PMS, Osteoporosis, Weight, Sexual Dysfu The PMS Puzzle: Letting God Put the Pieces in Their Place Princeton Readings in Islamist Thought: Texts and Contexts from al-Banna to Bin Laden (Princeton Studies in Muslim Politics)

<u>Dmca</u>