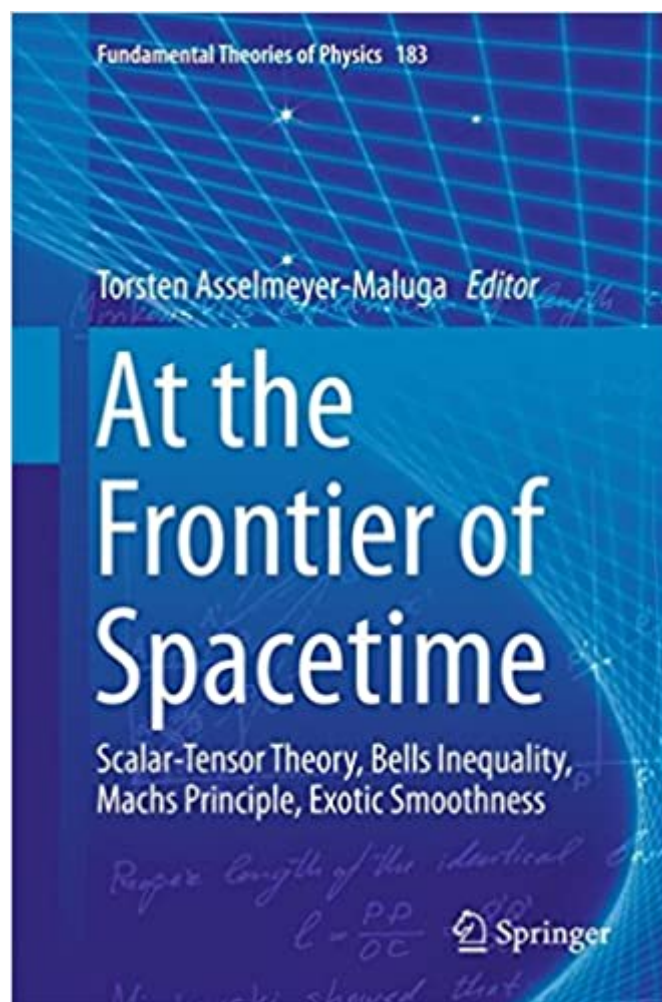




The book was found

# At The Frontier Of Spacetime: Scalar-Tensor Theory, Bells Inequality, Machs Principle, Exotic Smoothness (Fundamental Theories Of Physics)





## Synopsis

In this book, leading theorists present new contributions and reviews addressing longstanding challenges and ongoing progress in spacetime physics. In the anniversary year of Einstein's General Theory of Relativity, developed 100 years ago, this collection reflects the subsequent and continuing fruitful development of spacetime theories. The volume is published in honour of Carl Brans on the occasion of his 80th birthday. Carl H. Brans, who also contributes personally, is a creative and independent researcher and one of the founders of the scalar-tensor theory, also known as Jordan-Brans-Dicke theory. In the present book, much space is devoted to scalar-tensor theories. Since the beginning of the 1990s, Brans has worked on new models of spacetime, collectively known as exotic smoothness, a field largely established by him. In this Festschrift, one finds an outstanding and unique collection of articles about exotic smoothness. Also featured are Bell's inequality and Mach's principle. Personal memories and historical aspects round off the collection.

## Book Information

Series: Fundamental Theories of Physics (Book 183)

Hardcover: 308 pages

Publisher: Springer; 1st ed. 2016 edition (April 29, 2016)

Language: English

ISBN-10: 3319312979

ISBN-13: 978-3319312972

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #869,648 in Books (See Top 100 in Books) #121 in Books > Science & Math > Physics > Gravity #908 in Books > Science & Math > Astronomy & Space Science > Cosmology #2591 in Books > Textbooks > Science & Mathematics > Physics

## Customer Reviews

In this book, leading theorists present new contributions and reviews addressing longstanding challenges and ongoing progress in spacetime physics. In the anniversary year of Einstein's General Theory of Relativity, developed 100 years ago, this collection reflects the subsequent and continuing fruitful development of spacetime theories. The volume is published in honour of Carl Brans on the occasion of his 80th birthday. Carl H. Brans, who also contributes personally, is a

creative and independent researcher and one of the founders of the scalar-tensor theory, also known as Jordan-Brans-Dicke theory. In the present book, much space is devoted to scalar-tensor theories. Since the beginning of the 1990s, Brans has worked on new models of spacetime, collectively known as exotic smoothness, a field largely established by him. In this Festschrift, one finds an outstanding and unique collection of articles about exotic smoothness. Also featured are Bell's inequality and Mach's principle. Personal memories and historical aspects round off the collection.

T. Asselmeyer-Maluga was born in 1970 and received his PhD from the Humboldt University Berlin in 1997. His research began with the topological investigation of the Fractional Quantum Hall effect using Berry's phase. Then during the course of his PhD, he analysed the topological properties of evolutionary algorithms. Inspired by Brans' work, he began the investigation of exotic smoothness around 1994.

[Download to continue reading...](#)

At the Frontier of Spacetime: Scalar-Tensor Theory, Bells Inequality, Machs Principle, Exotic Smoothness (Fundamental Theories of Physics) The Scalar-Tensor Theory of Gravitation (Cambridge Monographs on Mathematical Physics) Principles of Tensor Calculus: Tensor Calculus Gauge Theories in Particle Physics, Vol. 2: Non-Abelian Gauge Theories: QCD and the Electroweak Theory (Volume 1) Spacetime Physics Information Dynamics and Open Systems: Classical and Quantum Approach (Fundamental Theories of Physics) Lap Dance: The Ultimate Guide to Being the Best Exotic Dancer (The Ultimate Exotic Dancer Package Book 4) Exotic Animal Oncology, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, 1e (The Clinics: Veterinary Medicine) Exotic Animal Oncology, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book (The Clinics: Veterinary Medicine) Tensor Calculus for Physics: A Concise Guide Tensor Calculus for Physics Fundamental Aspects of Plasma Chemical Physics: Transport (Springer Series on Atomic, Optical, and Plasma Physics) Ripples in Spacetime: Einstein, Gravitational Waves, and the Future of Astronomy A Journey into Gravity and Spacetime (Scientific American Library) Spacetime and Geometry: An Introduction to General Relativity Quantum Physics: Beginner's Guide to the Most Amazing Physics Theories Lie Algebras In Particle Physics: from Isospin To Unified Theories (Frontiers in Physics) Gauge Theories in Particle Physics, Second Edition (Graduate Student Series in Physics) Tensor Analysis: Spectral Theory and Special Tensors Forex: Using Fundamental Analysis & Fundamental Trading Techniques to maximize your Gains. (Forex, Forex Trading, Forex Strategy, Forex Trading Strategies, ... Forex Trading Books, Trading

Strategies)

Contact Us

DMCA

Privacy

FAQ & Help