

The Scalar-tensor Theory Of Gravitation

by Yasunori Fujii; Keiichi Maeda

scalar-tensor gravitation theory, which thus goes over into Einsteins pure-tensor theory. This conclusion is the result of the special form of the dependence of the Λ on the matter density. The most general scalar-tensor theories of gravity predict a weakening of the gravitational force inside astrophysical bodies. There is a The Scalar-Tensor Theory of Gravitation - Google Books Result The Scalar-Tensor Theory of Gravitation - Yasunori Fujii - Bok . The Scalar-Tensor Theory of Gravitation - ResearchGate An $SL(2,C)$ gauge formulation of a scalar-tensor theory of gravitation is related to the Brans-Dicke theory in the absence of spinorial matter couplings although . Higgs-Field and a New Scalar-Tensor Theory of Gravity it is based on a minimum of extra hypothesis to those of the original work. Gravitation is considered to be described by a Scalar-Tensor theory, whose action is. Scalar-tensor theory - Wikipedia, the free encyclopedia Varying Newtons constant: A personal history of scalar-tensor theories

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Information about a modification of Einsteins theory of general relativity in which the gravitational constant is not a constant. Weyl scalings and spinor matter interactions in scalar-tensor . Higgs-Field and a New Scalar-Tensor Theory of Gravity. H. Dehnen, H. The combination of Brans and Dicke's idea of a variable gravitational constant with the Scalar-tensor theory of gravitation with spin-scalar-torsion coupling. View the table of contents for this issue, or go to the journal homepage for more. 1988 Class. Scalar-Tensor Theory of Gravitation in Minkowski Space . - inSPIRE 19 Oct 2012 . gravitation. In this sense, we are going to appeal to the scalar-tensor theory of gravity as a well-known alternative to Einsteins General The Scalar-Tensor Theory of Gravitation - Cambridge University Press STT are alternative gravitational theories that postulates the existence of a fundamental scalar-field which is coupled non-minimally to the curvature. A short introduction to scalar-tensor theories of gravity Nonlinear Phenomena in Complex Systems, vol. 17, no. 4 (2014), pp. 423 - 425. Scalar-Tensor Theory of Gravitation in Minkowski. Space-Time. A. Leonovich The Scalar-Tensor Theory of Gravitation - Yasunori Fujii, Kei-ichi . 25 Nov 2015 . Kantowski- Sachs cosmological model with anisotropic dark energy is presented in a scalar tensor theory of gravitation proposed by Saez and Anisotropic massive strings in the scalar-tensor theory of gravitation . paper, we show that the Brans-Dicke Scalar-Tensor Theory of Gravitation, one of the most widely used generalizations of Einsteins General relativity, is, in effect . Sachs Dark Energy Model in a Scalar Tensor Theory of Gravitation 15 Jun 1970 . An analysis of general scalar-tensor gravitation theory, containing two arbitrary functions of the scalar field, is presented. The weak-field limit is The Scalar-Tensor Theory of Gravitation - Library of Congress The scalar-tensor theory of gravitation is one of the most popular alternatives to Einsteins theory of gravitation. This book provides a clear and concise A SCALAR-TENSOR THEORY OF GRAVITATION . - SMARTech The scalar-tensor theory of gravitation is one of the most popular alternatives to Einsteins theory of gravitation. This book provides a clear and concise Jet.com - The Scalar-Tensor Theory of Gravitation (Cambridge of our book (Y.F. and K. Maeda, Scalar-tensor theory of gravitation, Cambridge. University Press, 2003), to discuss some of the most crucial concepts starting. Some exact Bianchi type-I cosmological models in scalar-tensor . The scalar-tensor theory of gravitation moved into the limelight in recent years due to developments in string theory, M-theory and brane world constructions. The Scalar-Tensor Theory of Gravitation - Cambridge Books Online . Scalar-tensor theory of gravitation with spin-scalar . - IOPscience a Scalar-Tensor Theory of Gravitation. D. R. K. Reddy. Department of Applied Mathematics, Andhra University, Waltair, India. Abstract. Plane symmetric solutions 20 Oct 2004 . It appears that the theory provides realistic results sometimes even beyond Scalar-tensor theory of gravitation, Cambridge University Press, Scalar-Tensor Theories of Gravity: The Cauchy Problem . For example, the Brans-Dicke theory of gravitation uses both a scalar field and . An action of such a gravitational scalar-tensor theory can be written as follows: Is there GR in the bimetric scalar-tensor theory of gravitation . Since the scalar-tensor theory of gravitation was proposed almost 50 years ago, it has recently become a robust alternative theory to Einsteins general relativity . Hydrogen Burning in Low Mass Stars Constrains Scalar-Tensor . The scalar-tensor theory of gravitation moved into the limelight in recent years due to developments in string theory, M-theory and brane world constructions. Some Aspects of the Scalar-Tensor Theory of Gravitation The Scalar-Tensor Theory of Gravitation. YASUNORI FUJII. NIHON FUKUSHI UNIVERSITY. KEI-ICHI MAEDA. WASEDA UNIVERSITY, TOKYO Accelerating Universe and the Scalar-Tensor Theory Jet.com - The scalar-tensor theory of gravitation moved into the limelight in recent years due to developments in string theory, M-theory and brane world Scalar-tensor theory of gravitation - JETP Letters A theory of gravitation with a flat background metric and a dynamical . It is shown that such bimetric scalar-tensor theory (BSTT) generalized GR as all the Some aspects of the scalar-tensor theory We present the model of an anisotropic universe with string fluid as the source of matter within the framework of the scalar-tensor theory of gravitation. An exact Plane Symmetric Solutions of a Scalar-Tensor Theory of Gravitation 28 Feb 2013 . Zee theory (1979). • The most general case: Horndeski theory (1973). • Frames: Einstein Vs. Jordan. • $f(R)$ theories as scalar-tensor. Scalar-Tensor theories of Gravity and the Inflationary Universe A SCALAR-TENSOR THEORY OF GRAVITATION. COMPATIBLE WITH MACHS PRINCIPLE: A THESIS. Presented to. The Faculty of the Division of Graduate. BRANS-DICKE SCALAR-TENSOR

THEORY OF GRAVITATION . mological models of the universe for perfect fluid distribution within the framework of scalar-tensor theory of gravitation proposed by Saez and Ballester (Phys. Scalar-Tensor Theory and Gravitational Waves