Lorentzian Wormholes From Einstein To Hawking Aip Series In Computational And Applied Mathematical Physics

[Book] Lorentzian Wormholes From Einstein To Hawking Aip Series In Computational And Applied Mathematical Physics

Yeah, reviewing a books **Lorentzian Wormholes From Einstein To Hawking Aip Series In Computational And Applied Mathematical Physics** could build up your near links listings. This is just one of the solutions for you to be successful. As understood, expertise does not suggest that you have fabulous points.

Comprehending as without difficulty as contract even more than other will have the funds for each success. bordering to, the proclamation as without difficulty as keenness of this Lorentzian Wormholes From Einstein To Hawking Aip Series In Computational And Applied Mathematical Physics can be taken as competently as picked to act.

Lorentzian Wormholes From Einstein To

Stable Lorentzian Wormholes in Dilatonic Einstein-Gauss …
We discuss the properties of Lorentzian wormholes in dilatonic Einstein-Gauss-Bonnet theory in four spacetime dimensions These wormholes do not need any form of exotic matter for their existence A subset of these wormholes is shown to be linearly stable with respect to radial pertur-bations
Lorentzian AdS, Wormholes and Holography
The no-go Lorentzian wormholes theorem [8] is also bypassed when working with a higher order gravity theory, moreover, higher order curvature corrections to standard Einstein gravity are generically expected for any quantum theory of gravity However, not much is …
Traversable Wormholes
In a Lorentzian spacetime, if there is a timelike tube connecting spacelike MVisser,Lorentzian wormholes: From Einstein to Hawking1995 [2]MVisserandDHochberg,Generic wormhole throats,Annals Israel Phys Soc 13 (1997) 249[gr-qc/9710001]
Curvature Invariants for Lorentzian Traversable Wormholes
used Einstein's general relativistic field equations to explore the possibility of faster-than-light (FTL) interstellar spaceflight without violating special relativity [1,2] Earlier studies demonstrated the possibility of traversable wormholes in general relativity [3,4] A Lorentzian traversable wormhole is a
Lorentzian Wormholes Thermodynamics

Lorentzian Wormholes Thermodynamics 3 in the existence of trapping horizons Therefore, the presence of trapping horizons in the wormhole spacetime would also make possible the study of these objects Moreover, since both objects, black holes and wormholes, …

On the Construction and Traversability of Lorentzian Wormholes

Among these the orgional construction by Einstein-Rosen and Morris-Thornes discussion on traversability We also give a overview of the current state of the eld by presenting to more recently published papers: \Casimir Energy of a Long Wormhole Throat" av Luke Buther och \Traversable Wormholes via a Double Trace Deformation" av Ping

Traversable Lorentzian Wormholes: An Overview

Euclidean wormholes are probably unphysical since the strong equivalence principle, which states that spacetime is everywhere a Lorentzian manifold, seems to hold [Visser, p 67] Morris and Thorne's 1988 paper considered traversable wormholes of the following type: 1 Spherically symmetric, static metric 2 Solutions of the Einstein field

Morris-Thorne wormholes with a cosmological constant

culminated with the publication of the book Lorentzian Wormholes: From Einstein to Hawking by Visser [2], where a review on the subject up to 1995, as well as new ideas are developed and hinted at It is our intention in this introduction to do a brief review on the subject of wormholes The subject

Lorentzian 3d gravity with wormholes via matrix models

arXiv:hep-th/0106082 v1 11 Jun 2001 AEI-2001-056 10 June 2001 Lorentzian 3d gravity with wormholes via matrix models J Ambjørna,J Jurkiewiczb, R Lollc1 and G Vernizzid a The Niels Bohr Institute, Blegdamsvej 17, DK-2100 Copenhagen Ø, Denmark

From Here to Eternity and Back: Are Traversable Wormholes …

From Here to Eternity and Back: Are Traversable Wormholes Possible? Mary Margaret McEachern with advising from Dr Russell L Herman Phys 495 Spring 2009 April 24, 2009 Dedicated in Memory of My Dear Friend and UNCW Alumnus Karen E Gross (April 11, 1982~Jan 4, 2009)

Towards realistic Lorentzian wormholes Sayan Kar

• Problem with wormholes in GR: A Lorentzian wormhole geometry acts like a defocusing lens for null geodesic congru-ences flowing from one flat asymptotic re-gion to another across the throat Hence, for wormhole existence, the con-vergence condition Rijuiuj≥ 0 must be vi …

Extra-Dimensional Cosmology with a Traversable Wormhole

LORENTZIAN WORMHOLES AT APPARENT HORIZON IN f(R) THEORY OF GRAVITY H SAIEDI-This content was downloaded from IP address 1575539128 on 30/10/2019 at 23:56 Einstein's general relativity (EGR) is a powerful mathematical tool for combining spacetime geometry with its matter content It permits the existence of

Contents

21 Topology of Einstein-Rosen Bridge Let's go back to our Schwarzschild wormhole (neutral Einstein-Rosen bridge) If we take t = v = 0 and θ = π/2, the surface is defined by the paraboloid of revolution (21) r = 2M +z2/8M as shown here in figure 1 Since the Einstein field equations are purely local in character, they tell us nothing

VACUUM DECAY VIA LORENTZIAN WORMHOLES

The vacuum decay rate via Lorentzian wormholes is obtained from the tunneling con gua-ration; in the magnetic case, the rate can be written as an expression in terms of the eld theoretical ne structure constant We summarize our conclusions in section 4 2 Lorentzian wormholes

The Einstein-Rosen Bridge - LegeNet

Samuel George 5 Einstein-Rosen Bridge known as the Casimir12 effect However this energy would not be enough to keep open a wormhole A by product of Lorentzian wormholes would be that objects passing through them would not only be moved spatially …

Cosmological lorentzian wormholes via noether symmetry …

static wormholes the fluid requires the violation of the null energy condition (NEC), while in Einstein gravity there exists non-static Lorentzian wormholes which do not require weak energy condition (WEC) violating matter to sustain them Such wormholes may exist for arbitrarily small or large intervals of time,23,24 or even satisfy the

The Wormhole Theory - ResearchGate

The Wormhole Theory "The truth is wormholes are all around us, only they're too small to see and Einstein Rosen Bridges or simply taken from Matt Visser's Lorentzian Wormholes

Search of wormholes in different dimensional non …

tive wormholes in f (R) gravity with a Lorentzian distribu-tionhavebeenanalyzedin[13]TheBTZblackholeinspired by noncommutative geometry has been discussed in [14] Recently, the extension of general relativity in higher dimensions has become a topic of great interest The dis-cussion in higher dimensions is essential due to the fact

Self-consistent Wormhole Solutions of Semiclassical Gravity

higher-derivative gravity [9], wormholes from the gravitationally squeezed vacuum [10], possible cosmological consequences of early universe wormholes [11, 12], and wormholes as gravitational lenses [13] A thourough and up-to-date survey of the present status of Lorentzian wormholes may be found in the excellent monograph by Visser [14]

Wormhole Engineering in Orion's Arm: An Overview

Wormholes are artifacts of spacetime engineering which provide rapid traversal across distances that would normally require decades, centuries, or millennia to cross The Wormhole Nexus, or simply Nexus, is the foundation of modern galactic commerce Wormholes are topologically related to Black Holes, and arise naturally in physical