Surya, Sumati; Zalel, Stav

A criterion for covariance in complex sequential growth models. (English) Zbl 1479.83098

Classical Quantum Gravity 37, No. 19, Article ID 195030, 21 p. (2020).

MSC:
83C45 Quantization of the gravitational field
83C65 Methods of noncommutative geometry in general relativity
49Q15 Geometric measure and integration theory, integral and normal currents in optimization
81R20 Covariant wave equations in quantum theory, relativistic quantum mechanics
83E05 Geometrodynamics and the holographic principle
28A20 Measurable and nonmeasurable functions, sequences of measurable functions, modes of convergence

Keywords:
quantum gravity; discrete spacetime; measure theory; covariant observables

Full Text: DOI arXiv

References:

Sorkin R D and Surya S Constructing covariant observables in complex percolation (in preparation)

Rideout D P 2001 Dynamics of causal sets PhD Thesis Syracuse U


Fay D and Surya S 2006 Observables in extended percolation models of causal set cosmology Class. Quantum Grav. 23 1381-90 · Zbl 1094.83013 · doi:10.1088/0264-9381/23/4/018


Joe H 2011 Causality, Bell’s theorem, and Ontic definiteness (arXiv:1102.2855)

Jeffreys S H and Swirles B 1966 Methods of Mathematical Physics (Cambridge: Cambridge University Press) 52


This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.