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Spatio-Temporal Chaos and Vacuum Fluctuations of Quantized Fields

Christian Beck

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Spatiotemporal Chaos And Vacuum Fluctuations Of Quantized Fields

Christian Beck



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Quantum Fields, Quantum Inequalities and Sub-Vacuum Fluctuations Piotr Marecki, 2008 Vacuum fluctuations in radiation- and matter-fields Klaus Dietz, 1987 New Directions in Quantum Chaos Società italiana di fisica, 2000 The rapid progress of the research field of quantum chaos and its applications called for a book that keeps students abreast of the new developments and at the same time provides a solid basis in subjects which form the canon of the field This book discusses the following topics Spectral statistics and their semiclassical interpretation in terms of the Gutzwiller trace formula Quantum chaos and its applications in mesoscopic physics Spectral statistics and conductance fluctuations and Quantum chaos in systems with many degrees of freedom The book connects and continues past and present achievements and prepares the ground for a future full of intriguing and important developments *Existence and Uniqueness of the Vacuum for Linear Quantized Fields* Michael Howard Weinless, 1968 Problems in Spatiotemporal Chaos Matthew Tyler Cornick, 2007 *On Vacuum Fluctuations of a Scalar Field in a Localized Region of Curved Spacetime* Richard T. Hammond, 1979

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