

Gauge and parametrization dependence of Quantum Einstein Gravity

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Renormalization Group flow in Quantum Einstein Gravity shows gauge and parametrization dependence in quantities such as beta functions and generating functionals.

Using a proper-time regulated flow equation for a Wilsonian effective action, we investigate the properties of the non-Gaussian fixed point in both the Background Field gauge and the Physical gauges, employing linear and exponential parametrizations for the fluctuation.

Presenter: OGLIALORO, Giovanni (Università di Catania)