

Renormalization of composite operators in $2 + \varepsilon$ quantum gravity

mardi 17 janvier 2023 15:50 (30 minutes)

We consider higher derivative composite operators in the ε -expansion of 2d quantum gravity and renormalize them at one-loop. We extract the flow of the essential couplings and study their analytic continuation in the background dimensions to compare with Stelle gravity in $d=4$.

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