

# Geometry of the theory space and the functional renormalization group

*Tuesday, 11 June 2019 16:45 (45 minutes)*

We consider the theory space as a manifold whose coordinates are given by the couplings appearing in the effective action. We discuss how to introduce connections on this theory space in the framework of the functional renormalization group (FRG). Finally, we discuss possible developments and limitations of this formalism and how to overcome such difficulties in the FRG setting.

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