KMI Theory Seminar

Energy momentum tensor on the lattice and the gradient flow

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Abstract:

The gradient flow has recently been formulated in great detail, and has turned out to be a very successful tool for studying several aspects of quantum field theory. In this talk we discuss the use of the gradient flow for the nonperturbative renormalization of the energy momentum tensor on the lattice, and its numerical implementation for the case of scalar and gauge field theories. We present some preliminary numerical results.

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