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Continuous Normalizing Flow for Lattice QCD based on Trivializing Maps

Tuesday 16 August 2022 11:20 (40 minutes)

In this presentation we will show the connection between Continuous Normalizing Flows (CNF) and Trivializing Maps by Luescher. Based on the latter, we will construct a CNF that can be trained to simulate lattice field theories. We discuss strategies to train the CNF for 2D and 4D SU(3) pure-gauge theories.

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Session Classification: Machine Learning