

Solving $SU(3)$ Yang-Mills theory on the lattice: a calculation of selected gauge observables with gradient flow

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April 23, 2019

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- Motivation

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- Quantum Chromodynamics(QCD)

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- Lattice QCD

Introduction

Quantum Chromodynamics(QCD)

Say hey

Lattice Quantum Chromodynamics(LQCD)

Developing a code for solving $SU(3)$ Yang-Mills theory on the lattice

Measuring observables on the lattice

Gradient flow

Results

Conclusion
