

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

Hans Mathias Mamen Vege

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University of Oslo

- Motivation

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- Quantum Chromodynamics(QCD)

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- Lattice QCD

Introduction

Quantum Chromodynamics(QCD)

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
