

Linear confinement and stress-energy tensor around static quark and anti-quark pair – Lattice simulation with Yang-Mills gradient flow –

Monday, July 23, 2018 5:10 PM (20 minutes)

We study the spatial distribution of the stress tensor around static quark-anti-quark pair in SU(3) lattice gauge theory. In particular, we reveal the transverse structure of the stress tensor distribution in detail by taking the continuum limit. The Yang-Mills gradient flow plays a crucial role to make the stress tensor well-defined and derivable from the numerical simulations on the lattice [1].

[1] R. Yanagihara et al., arXiv:1803.05656.

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Session Classification: Vacuum Structure and Confinement

Track Classification: Vacuum Structure and Confinement