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Flux Tubes at Finite Temperature

Tuesday, July 26, 2016 7:00 PM (1 hour)

We show the flux tubes produced by static quark-antiquark, quark-quark and quark-gluon charges at finite temperature.

The sources are placed in the lattice with fundamental and adjoint Polyakov loops.

We compute the square densities of the chromomagnetic and chromoelectric fields above and below the phase transition.

Our results are gauge invariant and produced in pure gauge SU(3).

The codes are written in CUDA and the computations are performed with GPUs.

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