32nd International Symposium on Lattice Field Theory (Lattice 2014)



Contribution ID: 194

Type: Talk

Extending the QUDA library with the EigCG solver

Monday, 23 June 2014 17:10 (20 minutes)

Realization of the Incremental eigCG algorithm for solving Hermitian linear systems with multiple right hand sides on the CUDA platform is reported. In particular, we present details of implementation of the algorithm in the QUDA library. Preliminary performance results are provided.

Primary author:Dr STRELCHENKO, Alexei (Fermilab)Presenter:Dr STRELCHENKO, Alexei (Fermilab)Session Classification:Algorithms and Machines

Track Classification: Algorithms and Machines