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A Julia Code for Lattice QCD on GPUs

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We present a new GPU-based open source package to perform Lattice simulations developed in Julia. The Code currently supports generation of SU(2) and SU(3) (pure gauge) configurations with different actions and boundary conditions. The code can be used to measure different flow observables (both gluonic and fermionic) as well as different fermionic two point functions. In the talk we will show the capabilities of the code, and provide information of some measurement codes built on top of this framework.

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