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SIMULATeQCD - a Simple MULTi-GPU LATtice code for QCD calculations

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Increasing GPU power across a competitive market of various GPU manufacturers and GPU based supercomputers pushes lattice programmers to develop code usable for multiple APIs. In this poster we showcase SIMULATeQCD, a Simple MULTi-GPU LATtice code for QCD calculations, developed and used by the HotQCD collaboration for large-scale projects on both NVIDIA and AMD GPUs. Our code has been made publicly available on GitHub. We explain our design strategy, give a list of available features and modules, and provide our most recent benchmarks on state-of-the-art supercomputers.

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