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Lattice QCD and Graphical Processing Units¹

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Graphical Processing Units (GPUs) have brought about a disruptive improvement in the cost effectiveness of certain lattice QCD calculations. These days, GPUs are in mainstream use in a variety of lattice computations worldwide. In this talk I will discuss some relevant architectural features of GPU based systems, some recent software successes and outline some future perspectives in the context of large scale GPU calculations.

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