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## A better conditioned Domain Wall Operator

Tuesday, 4 August 2020 14:00 (20 minutes)

A variation of the Domain Wall operator with an additional parameter  $\alpha$  will be introduced. The conditioning of the new Domain Wall operator depends on  $\alpha$ , whereas the corresponding 4D propagator does not. The new and the conventional Domain Wall operator agree for  $\alpha$  = 1. By tuning  $\alpha$ , speed ups of the linear system solvers of around 20% could be achieved.

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