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Egalitarian Improvement to Democracy in Non-Perturbative Renormalization of Quark Operators

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We present our results on non-perturbative renomalization of quark operators. Based on Nf=2 ETMC lattices we calculate vertex functions and propagators, and combine them using irreducible representation of the discrete rotational group H4. We test the running of these quantities including a possible non-perturbative contribution via Wilson operator expansion. This allows for the better computation of non-perturbative correction to the renormalized Z_q .

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talk

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