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Anomalous dimensions without Feynman diagrams from Conformal symmetry of Wilson-Fisher fixed points

Wednesday, 13 December 2017 11:30 (30 minutes)

We compute, to the first non-trivial order in the epsilon expansion, the anomalous dimensions of an infinite class of local operators, including the partially conserved higher
spin currents, using only constraints from conformal symmetry. According to the bootstrap philosophy, no reference is made to any Lagrangian, equations of motion or coupling constants.

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