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## Quantum symmetry breaking in perturbation theory: physical or spurious?

*Tuesday 26 February 2019 09:30 (30 minutes)*

We discuss some subtleties related to the description of anomalies in quantum field theory using Feynman diagrams. Using a setup that operates in the physical dimension to regularize ultraviolet and infrared divergences, we establish some physical criteria to study quantum symmetry breaking. We illustrate with a few examples.

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