

THE ENERGY-MOMENTUM
TENSOR ON NONCOMMUTATIVE
SPACES—SOME PEDAGOGICAL COMMENTS

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We present the discussion of the energy-momentum tensor of the scalar ϕ^4 -theory on a noncommutative space. The Noether procedure is performed at the operator level. Additionally, the broken dilatation symmetry will be considered in a Moyal–Weyl deformed scalar field theory at the classical level.