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**Statistical properties of one - demensional
noncanonical oscillators**

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Abstract

We investigate the statistical properties of noncanonical harmonic oscillators in one dimension. For the calculation of the partition function for $q > 1$ we consider the cases of low and high temperatures and the perturbation theory for $q = 1 + \epsilon$, where $\epsilon \ll 1$. For the specific heat the results are defferent from the corresponding of the canonical theory.