Accepted Manuscript

Analysis of Tsallis' classical partition function's poles

A. Plastino, M.C. Rocca

PII: S0378-4371(17)30667-2
DOI: http://dx.doi.org/10.1016/j.physa.2017.06.026
Reference: PHYSA 18411

To appear in: *Physica A*

Received date : 19 March 2017
Revised date : 19 June 2017

Please cite this article as: A. Plastino, M.C. Rocca, Analysis of Tsallis' classical partition function's poles, *Physica A* (2017), http://dx.doi.org/10.1016/j.physa.2017.06.026

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- We study the singularities of the q-partition function of the Harmonic Oscillator.
- We use Dimensional Regularization
- We study the poles of the theory.
- We discover interesting dimensional effects.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5102545

Download Persian Version:

https://daneshyari.com/article/5102545

Daneshyari.com