

Accepted Manuscript

System of interacting harmonic oscillators in rotationally invariant noncommutative phase space

Kh.P. Gnatenko

PII: S0375-9601(18)31015-6
DOI: <https://doi.org/10.1016/j.physleta.2018.09.039>
Reference: PLA 25325

To appear in: *Physics Letters A*

Received date: 5 September 2018
Revised date: 26 September 2018
Accepted date: 28 September 2018

Please cite this article in press as: Kh.P. Gnatenko, System of interacting harmonic oscillators in rotationally invariant noncommutative phase space, *Phys. Lett. A* (2018), <https://doi.org/10.1016/j.physleta.2018.09.039>

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.



Highlights

- Rotationally invariant noncommutative phase space is studied.
- Interacting harmonic oscillators are examined in the noncommutative phase space.
- Influence of noncommutativity on the spectrum of the system is found and analyzed.

Download English Version:

<https://daneshyari.com/en/article/11008786>

Download Persian Version:

<https://daneshyari.com/article/11008786>

[Daneshyari.com](https://daneshyari.com)