

XXXV International Workshop on High Energy Physics "From Quarks to Galaxies: Elucidating Dark Sides"

Contribution ID : 51

Type : **not specified**

General solution of the Schrödinger equation

пятница, 1 декабря 2023 г. 12:20 (25)

The wave equation in quantum mechanics and its general solution in the phase space are obtained.

"General solution of the Schredinger equation"
[arXiv:2201.02199v1]

Information on the subject:

M.N.Sergeenko, Semiclassical wave equation and exactness
of the WKB method, Phys. Rev. A, V.53 (1996) P.3798.

M.N.Sergeenko, Relativistic semiclassical wave equation and
its solution, Mod. Phys. Lett. A, V.12 (1997) P.2859.

M.N.Sergeenko, Quantum fluctuations of the angular momentum
and energy of the ground state, Mod. Phys. Lett. A,
V.13 (1998) P.33.

M.N.Sergeenko, Quasiclassical Analysis of the Three-dimensional
Schredinger Equation and its Solution, Mod. Phys. Lett. A,
V.15(2) (2000) P.83.

M.N.Sergeenko, Classical Solution of the Wave Equation,
Int. J. Mod. Phys. A, V.18(17) (2003) pp.3041–3055

Presenter(s) : Dr SERGEENKO, Mikhail (Stepanov Institute of Physics NAN Belarus, Minsk)

Session Classification : Morning session 1/12/2023

Track Classification : General Quantum Field Theory