Short Communication Journal of Lasers, Optics & Photonics 2021
Vol.8 No.1

Applied Physics 2019: The difficulties and contradictions of quantum mechanics and their through eliminations - Pang Xiao Feng - University of Electronic Science and Technology of China

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The troubles and inconsistencies of quantum mechanics are shown and explained in detail by uprightness of the examinations between the test realities and hypothetical outcomes acquired from the arrangements of Schr dinger conditions with various possibilities, which can just give the wave highlights of tiny particles, yet can't generally display their corpuscle highlights. These troubles and logical inconsistencies are inborn and inescapable for quantum mechanics and can't be killed and defeated in its structure regardless of how of the quantum mechanics or outside possibilities. The he challenges and logical inconsistencies of quantum mechanics he troubles and inconsistencies of quantum mechanics troubles and logical inconsistencies showed plainly that quantum mechanics is just a straight and rough hypothesis and can't be used to depict effectively and totally the duality of wave and corpuscle highlights of infinitesimal particles.

Itemized examinations indicated that the challenges and inconsistencies are prompted by the scattered impact of infinitesimal molecule emerging from the active energy in Hamiltonian of the frameworks and Sch dinger conditions. This infers that the quantum mechanics should be remoulded, its heading or strategy remoulding are simply to add a nonlinear communication, which can pause and limit the scattered impact, at that point the minuscule particles can be confined and have a wave-corpuscle duality for this situation once the nonlinear connection can adjust the scattered impact of the motor energy in Hamiltonian and dynamic conditions in the frameworks, accordingly the troubles and logical inconsistencies of quantum mechanics could be totally killed and survived. The rightness of the end was completely checked and affirmed by our examinations. At that point the right course and way disposing of the challenges and logical inconsistencies of quantum mechanics are found and certified, i.e., it is to build up the nonlinear quantum mechanics. To show that it can depict and address truly and definite the properties of minute particles we discovered further the genuine components of the type of nonlinear connection, which is simply the association, self-catching, self-centring and self-restricted, in differently actual frameworks and gave further their solid portrayals, which can be constantly addressed by in non-relative case. Hence a right hypothesis of nonlinear quantum mechanics can be set up, in which the duality of wave and corpuscle highlight of minute particles can show up impeccably and normally.

As are known, the quantum mechanics is just crucial hypothesis of model science, a great deal of new regular and relevant sciences were assembled dependent on it, for example, quantum electrodynamics, quantum field hypothesis, quantum physical science, quantum science, quantum science, etc. Thus, its commitments on advancements of science and innovation can be denied never. Accordingly, we learnt and utilized it generally. It is very certain that quantum mechanics was set up by a few incredible researchers, for example, Bohr, Born, Broglie, Schrödinger, Heisenberg, Born, Born, and Dirac et al. in the mid-1900s. It is basically used to explore, portray and explained the properties of movement of minute particles, included electron, proton, phonon, photon, and exciton also iotas, atoms and different particles. In quantum mechanics, the condition of infinitesimal particles is addressed a wave work (r,t) , it conditions of development and properties can be gotten from just unique condition, or following Schrödinger condition

On the off chance that the expected V (,t) of minuscule particles is changed further and persistently we may induce and assume that the arrangements got from equation have just the wave includes, a restricted arrangement can't acquire be gotten consistently. This infers that the infinitesimal particles have just a wave include and have not corpuscle highlight, on the off chance that they are portrayed by the straight Schrodinger condition in Equation regardless of what of the possible V(r,t) 0 . Furthermore, utilized in equations, at that point we can't in any case acquire a limited arrangement. This connotes that Schrödinger condition in Equation gives just the arrangement of wave regardless of what types of the possibilities. At that point we can just reason that the minute particles portrayed by the quantum mechanics have just a wave include, however corpuscle highlight, i.e., they can't be limited consistently. This is only the fundamental and characteristic highlights of quantum mechanics, which can't be changed. These are only the layer upon layer challenges of quantum mechanics. These cause us to accept the quantum mechanics can't depict totally and effectively the wave-corpuscle highlight of minuscule particles, which were gotten and confirmed from a lot of test results.

This work is partly presented at 6th International Conference on Theoretical and Applied Physics May on 16-17, 2019 held at Rome, Italy