QUANTUM MECHANICS CONSISTENCY PRINCIPLE

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Annotation: This article is about solving the issue in practical training role, importance in the study of Science and issues from quantum mechanics dedicated to the peculiarities of the solution.

Keywords: quantum mechanics, thermal radiation, microzarra, Absolute Black body, Compton effect.

Introduction

Continuing education in Uzbekistan from the first years of independence world standards in higher education institutions, which are an important stage of the system training highly qualified personnel at the level, making them highly spiritual and educated, thoroughly mastered the achievements of modern technologies and science, social and the task of upbringing as a communicative active person is consistently carried out are coming. Law"on education "and"National Training Program" reforms carried out on the basis of the personnel potential of the educational system radical improvement, physically healthy, spiritually mature, highly intellectual competent, with modern knowledge, independent thinking, free of his own opinion, consistent and to educate a harmonious generation that can express clearly, higher education subject-object relations in institutions, modern of teaching, to the individual effective implementation of oriented technologies in practice as well as future it is important to prepare specialists for effective communication technologies and techniques defined as a task.

As we know, the main purpose of teaching physics is, first of all, the nature of explaining fundamental laws on a scientific basis, students ' scientific development of worldview and philosophical reasoning skills, in technique and the principle of operation of the equipment and tools used in marriage if the explanation is the formation of ideas about physical processes, secondly, to continue to receive education, to deepen the knowledge gained and it consists in creating a solid ground for continuing scientific research. Problem solving is important in teaching physics.

Problem solving is an integral part of the physics teaching process in which theoretical knowledge is comprehensively strengthened, physical concepts are formed, physical thoughts develop, the skills and qualifications of applying the acquired knowledge in practice forms and develops. New by solving problems from physics giving information, creating a problem situation and trouble for readers laying, formation of practical qualifications and skills, knowledge of students strength and depth testing, strengthening theoretical material, generalization and repetition, acquaintance with technical achievements, students' it is possible to develop creative abilities. Students by solving the issue taught to think independently and conduct activities.

The main drawback that occurs in a student is not to understand the condition of this issue, but to make it without sufficient discussion, through ready-made formulas, the issue is is an attempt to solve. One of the didactic problems that arise in this case an imaginary model of the physical process of a student in a given physical matter in the inability to imagine. In particular, regarding the quantum mechanics branch of physics most of the problems were related to deep mathematical calculations issues. In the course of solving the issue, the student will face the

above problems the encounter causes his action to solve the issue to fade. As a result, for him, the content of topics, in general, the science of quantum mechanics, disappears. Pedagogy for solving the above pedagogical-didactic problems practical training from quantum mechanics in higher education institutions to develop the content, and for this it is enough for practical training which serves to comprehensively strengthen theoretical topics at the level preparation of materials consisting of practical issues, their life examples, each applied in daily living, science and technology, medicine and other fields the incoming request to describe the connection with various equipment and devices are.

Good appropriation of the Quantum Mechanics Department lecture during the practical training of theoretical knowledge, which is obtained in his training depends on the reinforcement. Theoretical knowledge in lecture sessions it seems understandable, but in fact, the student's mind is still a whole will not be embodied. Theoretical given in practical training knowledge is further strengthened by the analysis of various processes, and that is ensures the integrity, embodiment of the educational subject. In quantum mechanics the main part of the problems is given by uncertainty, correspondence, operators, the Schrödinger equation and the methods of solving it, such as the theory of the riot, constitute. The students are they are able to analyze processes well, as well as to some extent skills in them should be formed. If theoretical knowledge with practical training if not strengthened, students will be able to bring their knowledge and imagination to the surface comes.

Laws of thermal radiation in quantum mechanics, Compton to study the effect,the equation, and its application to the hydrogen atom, and strengthening all acquired theoretical knowledge, such as analysis, quantum practical formation and development of ideas about mechanics issues in training can be implemented by solving. We applied quantum mechanics in pedagogical higher education institutions to organize training and explain the processes taking place in it let's look at some issues and ways to solve them. Quantum mechanics is the hatti motion of particles belonging to the microolam his laws and the physical phenomena and processes that take place in this universe is a learning science. History of the emergence of quantum theory Absolute Black is associated with attempts to calculate the thermal radiation spectrum of the body. The main purpose of the theory of thermal radiation is to determine the absolute black body consists in determining the relationship between temperature and wavelength.This conclusions from field experiments are as follows:

1) the radiation spectrum of an absolute black body has a continuous character.

2) the energetic distribution of radiation, which belongs to each temperature there is an exact maximum in the expressive curve, which as the temperature increases it is shifted to the area of short wavelengths.

Issues in practical training before solving the subject of training recurrence of relevant laws, magnitudes, processes and laws it is desirable. This repetition is used by the teacher to do well through modern educational methods identified. The method used should be chosen in such a way that it is a training it is important that it is able to determine the content.

Solution and analysis of the above-mentioned and such type of issues through the eye in quantum mechanics, it is impossible to see and hold by hand, explaining phenomena and processes based on deep mathematical calculation we can give. This, in turn, is in the Student (future teacher) to the formation of a deep picture of processes, their worldview leads to development, expansion of independent thinking.

References:

1. O'zbekiston Respublikasi "Kadrlar tayyorlash milliy dasturi to'g'risida" gi qonuni.

2. T.Rizayev, B.Nurillayev. "Fizikadan masalalar yechish metodikasi". Toshkent –2007.

3. U.A.Aminov, Sh.K.Ismoilov, H.Sh.Matyoqubov "Kvant mexanikasidan masalalar" Urganch, 2015 yil.

4. I.I.Abramov "Kvantovaya mexanika voprosi i otveti" Minsk, 2007 g.

5. Gulbaev, N. A., Kudratilloev, N. A. (2020). The state of management problemsof systems with dispersed objects (on the example of electrical networks).

Science and World, 6(82), 29-32.

6. Gulbaev, N. A., Kudratilloev, N. A. (2020). Modeling and management of geographically distributed systems. Science and World, 6(82), 25-28.

7. Gulbaev, N. A., Kudratilloev, N. A. (2020). Models for ordering control structures of systems with dispersed objects. Eurasian Union of Scientists (EUU), 6(75), 46-48.

8. Kudratilloev, N. A., Akhmedov, B. A. (2021). Application of communication cluster technologies in pedagogical institutions: interactive methods of processing graphic data. Scientific Progress, 1(5), 191-198.

9. Kudratilloev, N. A., Akhmedov, B. A. (2021). Methods of use of web applications on the basis of innovative methods. Ekonomika i sotsium, 3(82).

10. Akhmedov, B. A. (2021). The tasks of ensuring the reliability of cluster systems in a continuous educational environment. Eurasian Education Science and Innovation Journal, 1(22), 15-19.