

Error of Conventional Atomic model and National Drum for People Complaints

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Abstract: Conventional atomic model was born with the aid of Bohr's model and Uncertainty Principle, where the probability function contains only negative total energy with the exception of positive one.

Author engages in a dialog with the Education Ministry and Kyunggido Education Affair through appeal to and reply of the national drum.

Especially Kyunggido Education Affair confirms the error of the conventional atomic model and appoints the effort of amendment.

Author enfaces a new atomic model, in which an electron has positive and negative total energy. The new model generates electromagnetic wave when electron has negative total energy, of course, which is equivalent to conventional model.

In probability function the time function generates Qi energy while the position function generates electromagnetic wave.

1. Introduction

1-1. Birth of the conventional atomic model
Analysis of quantum mechanical model in hydrogen atom gives that total energy of an electron must be greater than zero or smaller than zero.

Old physicist thought that Bohr's atom model has an electron, of which total energy is smaller than zero. This concept was extended to multi-electron atoms and then decided the probabilistic positional of the electrons.

1-2. Short comings of conventional atomic model

- ① It does not consider positive total energy of an electron.
- ② Bohr's modal is not equivalent to the negative total energy of the quantum mechanical model. Because electron does not exist in nucleus and also it is not probable any more.
- ③ Probability function of Uncertainty Principle is

a function of position while the one of quantum mechanics is a function of time and position.

- ④ In hydrogen atom, an electron can not have different probability function.

2. People Appeal and Reply

2-1. Difficulty for Education of Conventional Atom Model

I, who am a professor of mechanical engineering, teach materials of mechanical engineering and then have difficulties for telling conventional atomic model.

It is the one from the textbooks of middle and high schools.

It has nucleus in the center and circulating electrons(comprizing probability motions).

During inferencing the model, Uncertainty Principle and Quantum mechanics(Schrödinger) and used.

Uncertainty Principle is expressed in position function while quantum mechanics uses function

of time and position, which give us difficulties.

Textbooks of physics and chemistry say that probability function is expressed by wave one.

The wave function is a function of time and position originally. When conventional atom model was inferred, Uncertainty Principle used position function while quantum mechanics used function of time and position.

It might be that Uncertainty Principle used a function of time at given position necessarily.

Say to National Drum because middle school, high one and university are using the atom model.

2-2. Reply of the Education Ministry

Good morning! Here is department of educational policy in the Ministry of Education.

Thank you for your concern on education policy.

National education process amendment occurs when rapid social change and academic advancement must be reflected on the textbook.

Therefore your academic advancement may be considered in the textbook.

However, national educational process amendment occurs when socially agreed change academic advancement approved by the related academic society may be reflected on the pertinent textbook.

The petitioner should discuss the appeal with the related academic society in advance.

Korean Research Foundation for Textbook operates petition center, which receives questions and amendment proposals for the textbooks of elementary and secondary schools(www.textbook114.com).

Thank your concern for national education process. If you have any other questions, you can call Seung Whan, Kim(044-203-7013, badacga@moe.go.kr), who is a researcher in our department.

2-3. Next Disposal for the Reply of the Ministry of Education

This is the disposal for the reply of the department of educational process policy in the Ministry of Education at 2016 eighth July.

The educations of elementary and secondary schools do not belong to me, so I am an university professor. I am going to acknowledge this disposal to the educational affairs of cities and provinces.

In case of universities, a class professor determined the textbook. The whole professors of country should attend to the consent of the textbook. I am going to inform it to Korean Association of University Education.

Even if conventional atom model was born during academic advancement, it is impossible for normal ordinary people to think that one electron have the different probability functions(Uncertainty Principle and quantum mechanics).

It may do ill effects to the growing students. Even though I am on retirement age, I do braveness for this acknowledgement.

2-4. Reply of Kyungido Education Affair

1. Thank you for your concern.

We reply for the appeal through national drum (1AA-1607-154398)

2. Especially thank for the concern for Kyungido education and students.

3. We should think that your appeal is two different probability functions for an electron is an atom. It is not an ordinary thinking and it may do ill effect to growing students,

4. Our examinations for the appeal are following.

(1) We agree that atom model must be explained by one theory. It can be happened throughout an academic advancement process.

Teachers for physics and chemistry in Kyunggido province investigated that hydrogen atom model was explained by Uncertainty Principle and all the atom models comprizing hydrogen atom were explained by quantum mechanics.

(2) We would try to ask for amendments about ill expressions and teachings positively.

We would try to do studying and training courses to clomestic teachers and acknowledge it through information medea.

5. Thank for scientific concern and right concept for Kyunggido education.

6. If you have any other questions, my telephone number is 031-820-0592 and e-mail address is yountea@goe.go.kr

2-5. Disposal for the Reply of Kyunggido Educational Affairs(National Drum).

1. During teaching material of mechanical engineering, I was so worry for students question about atomic model's contradictory concept.

2. Conventional atom model excluded electrons in nucleus by use of Uncertainty Principle and used quantum mechanics in order to explain probabilistic motions of electrons.

It is very contradictory that Uncertainty Principle and quantum mechanics have different probability functions each other.

3. The teachers for physics and chemistry investigated the appeal in Kyunggido Educational Affairs.

4. I think that the teachers should try to find out new right atomic model.

5. I myself provide a new model for example according to quantum mechanics(probability function of position and time).

6. You may not answer to this appeal. This is for public ownership.

3. Discussions and conclusions

3-1. Summary for reply of the Ministry of Education.

- ① The appeal belongs to the procedure for academic advancement.
It can be considered as coming amendment for next scientific text courses.
- ② It needs discussions and agreement with the related academic societies.
- ③ Korean Research Foundation for Textbook operates petition center, which receives questions and amendment proposals for elementary and secondary school textbooks.

3-2. Summary for reply of Kyunggido Educational Affairs

- ① It is agreed that an electron in an atom can not have different probability function each other.
- ② Teachers for physics and chemistry in domestic province investigated that your appeal is true.
- ③ We would try to do studying and training courses to domestic teachers and acknowledge through information media.

3-3. conclusions

- ① Conventional atomic model must be amended which considers only negative total energy.
- ② New atomic model must consider positive total energy.
- ③ New atomic model is provided in fig.1 for example.
It generates Qi energy(rotational electromagnetic waves) for atomic bonding and disbonding.
- ④ Conventional atomic model generates and absorbs electromagnetic waves when electron changes its orbit.
- ⑤ Time function generates(absorbs) Qi energy

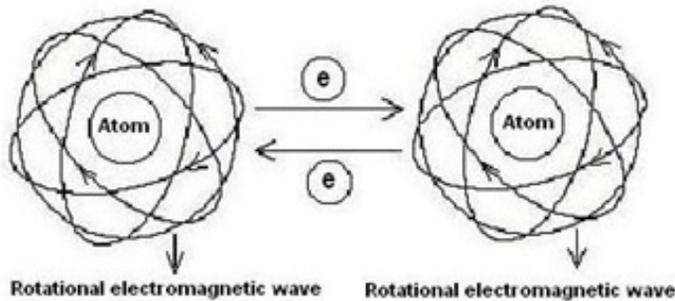


Fig.1 (a) covalent bonding

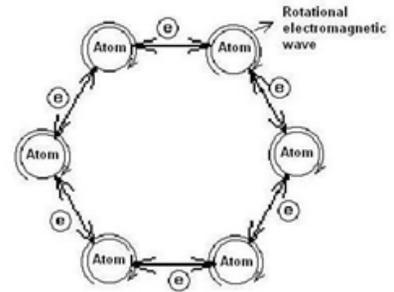


Fig.1 (b) crystallizing bonding

(rotational electromagnetic waves) while position function generates(absorbs) electromagnetic waves.

- ⑥ Conventional studies have suggested many times rotational electromagnetic waves(ref.1-ref.6).

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