



Wrong "Theory of Electron Gain and Loss
Friction Electrification" and the Significance of
Establishing "New Theoretical System of
Physics in the 21st Century"

Jianghua Zhou

EasyChair preprints are intended for rapid
dissemination of research results and are
integrated with the rest of EasyChair.

December 8, 2020

Wrong "theory of electron gain and loss friction electrification" and the significance of establishing "new theoretical system of physics in the 21st century"

Jiang Hua Zhou

Box 2-3-2403 haibitai, Qinhuangdao 066000, Hebei Province, China.
mail: 1092375690@qq.com

Abstract. According to the fact that the diameter of the atom is 0.1nm, the theory of friction electrification caused by the gain and loss of electrons is analyzed, which is a theory without experimental support. According to the experimental phenomenon of the same charge produced by the friction of the same material discovered by the author, it is pointed out that the friction electrification theory due to the gain and loss of electrons violates the experimental facts, and a new explanation of friction electrification needs to be found again. On the basis of the great discovery of the experiment that the same material produces the same charge by friction, the author has found a new explanation of all the electrostatic effects. Through the explanation of the new theory of friction electrification, the "new theoretical system of physics in the 21st century" is established, and the great scientific significance of the "new theoretical system of physics in the 21st century" is clarified! The birth of this new theoretical system will speed up the pace of mankind from "earth civilization era" to "cosmic civilization era"!

Keywords : error; Electron; gain and loss; friction; electrification; theory; experiment; absence; 21st century; physics; new theory; system; birth; significance

1. "The Friction Electrification Theory Of Electron Gains And Losses Lacks Experimental Support

According to the actual size of the atomic diameter of 0.1 nm, the theory of friction electrification due to the gain and loss of electrons is considered to be a theory without experimental support.

Our current electrostatic electrification theory, derived from the electron gain and loss theory, is considered that one object gains electrons, another loses electrons, the object losing electrons carries positive charge, and the object that obtains electrons carries negative charge. Only the gain and loss electrons of matter can be electrified! This expert invented the theory of electronic gain and loss friction electrification, which has been regarded as an unbreakable truth inheritance in the palace of teaching and learning for more than a century! No one dares to question its scientificity under the authority!

Have you ever thought that authority doesn't represent scientific truth. When there is contradiction between authoritative theory and scientific facts, we should choose to stand under the authority or choose practice as the only criterion to test scientific truth! If you choose the latter, we will use the facts to expose the absurdity of the theory that "the gain and loss of electrons lead to friction electrification"!

We all know that the diameter of an atom is only 10 millionths of a millimetre in diameter! May I ask the discerning people to think about it? Can anyone erase the extranuclear electrons of atoms with the diameter of 10 millionths of a millimeter, and leave the nucleus standing still? If someone says it can do it, please tell me how it does it! If no one can do it by hand with conventional force friction, it can also be done by borrowing the most advanced human instruments and equipment. Please note how difficult it is to erase the electrons outside the nucleus and not move the nucleus when atoms are 10 millionths of a millimeter in diameter! It's not inferior to the technology of human landing on the moon!

If we can face up to the difficulty of electronic gains and losses, will anyone believe the friction electrification theory invented by the so-called authority because of the gains and losses of electrons? This is a matter of right and wrong in front of mankind! Is it to believe in the idealistic theory of authoritative electronic gain and loss friction electrification, or believe in experimental facts and adhere to materialism!

We human beings should know the truth of natural science on the basis of facts! We should not blindly worship authority as the standard! Because we blindly worship authority will deviate from the track of understanding the truth of natural science! Not conducive to the search for natural science truth!

2. The need to revise the "theory of electron gain and loss friction electrification"

At the 9th electrostatic academic conference of Chinese physical society, the author published a new discovery about the same material friction to generate the same charge[1]. Notes for experiment[2]: use materials that are easy to be electrified by friction, such as silk cloth or plastic cloth, to obtain the experimental results of the same charge generated by friction between the same materials, and the premise is to ensure the consistency of the experimental materials. Each experiment needs a period of time to make the material surface recover to zero potential, and then conduct the experiment again. The important discovery of the experiment of the same charge produced by the friction of the same substance is a challenge to the theory of the electron gain and loss friction electrification.

In the past experiments, we only paid attention to the phenomenon of opposite charges generated by friction between different substances, but did not pay attention to the phenomenon of the same charges generated by friction between the same substances. The reason is that the theory of electronic gain and loss has bound our thinking and led us to a wrong direction. We are always doing experiments of friction and electrification between different materials, and abandon the friction experiments between the same material. It is very easy to find the fact that the same material friction produces the same charge has not been recognized. The electrification phenomenon of the same-sex charge generated by friction between the same materials does not occur in special environment, nor is it a special phenomenon of a special material, but an objective law that exists universally in the same substance (refers to the substance electrified by friction). This fact challenges the theory of friction electrification.

For a long time, in order to maintain the theory of gain and loss of electrons, the physical circle only pays attention to the phenomenon that different substances produce different charges through friction, but ignores the phenomenon that the same charge is generated by friction between the same substance. As a result, the physical laws are based on one-sided practical phenomena and lack of comprehensive objective understanding, which leads to a series of deviations in the way of understanding truth. The error of "the theory of electrification due to the friction of electron gains and losses" requires us to rethink the cause of electrostatic electrification. The theory of electrification due to the friction of electron gains and losses is the foundation of the theoretical system of human physics. Therefore, due to the problems of this foundation, we need to rethink the new theory of friction electrification. This is the real reason for us to establish a new theoretical system of physics in the 21st century reason.

In short, According to the fact that the diameter of the atom is 0.1nm, the theory of friction electrification caused by the gain and loss of electrons is analyzed, which is a theory without experimental support. According to the experimental phenomenon of the same charge produced by the

friction of the same material discovered by the author, it is pointed out that the friction electrification theory due to the gain and loss of electrons violates the experimental facts, and a new explanation of friction electrification needs to be found again. On the basis of the great discovery of the experiment that the same material produces the same charge by friction, the author has found a new explanation of all the electrostatic effects. Through the explanation of the new theory of friction electrification, the "new theoretical system of physics in the 21st century" is established.

3. The establishment of a new theoretical system of physics in the 21st century

For this important new experimental discovery, the author puts forward a new understanding of "positive and negative charges", and finds a new theory to explain all electrostatic effects. Furthermore, the paper puts forward the "new theoretical system of physics in the 21st century" [3], which was published in the International Journal of physics in 2020.

The following is an abstract of the article "new theoretical system of physics in the 21st century":

In 2000, At the 9th electrostatic academic conference of Chinese physical society, the author published a new discovery about the same material friction to generate the same charge. For this important new experimental discovery, the author puts forward a new understanding of "positive and negative charges", and finds a new theory to explain all electrostatic effects. Based on the subversive new understanding of "matter", "entity" and "heat energy", a new understanding of "dynamic atomic model of particle charge" has been initiated. The relationship between "entity" and "heat energy" is the source of gravitation and repulsion between matter, and the law of equilibrium distance between gravitation and repulsion between matter (between atoms and between planets) is proposed. This paper reveals the cause of the earth's gravitation and the causes of many phenomena of gravitation and repulsion in the universe. In the fields of gravitational field, magnetic field and electric field, a series of important scientific problems have been revealed! The establishment of the new theoretical system of physics provides a new vision for solving "all physical problems"! The new theoretical system consists of six parts: the first part introduces the reasons for the establishment of the "new theoretical system"; the second part puts forward the new basic epistemology of the material world; the third part is the new epistemology of gravitational repulsion field; the fourth part is the new epistemology of magnetic field; the fifth part is the new epistemology of electric field; the sixth part expounds the scientific significance of the new theoretical system. From the new perspective of the basic composition of "entity" and "heat energy" in the material world, this paper makes a new understanding of matter, entity, heat energy, atom, element, gravity, repulsion, magnetic field and electric field. and establishes a new theoretical system of physics in the 21st century: the "unified field theory" constructed by "entity" and "heat energy". Scientific research needs a new vision to expand people's subjective thinking of the objective nature. The establishment of this new theoretical system may lead to a new physics revolution in the 21st century.

Specifically, the new theoretical system puts forward the unified field theory of gravitational field, electric field and magnetic field from a new angle! This paper reveals the cause of the formation of universal gravitation in the material world, and specifically expounds the formation of the earth's gravity, The formation of high temperature liquid phase transition effect in the earth's core, the formation of the earth's rotation, and the formation of the geomagnetic north-south pole! In addition, the reasons for the formation of repulsion between stars are also analyzed, such as the formation of the relationship between the main satellites of the planets around the stars, the formation of the balance of stars in the universe, the formation of the plane system structure of galaxies, the change of comet structure and the formation of elliptical orbit around the sun! The formation of black hole gravity in the universe has also put forward a new theoretical understanding! The origin of the "new theoretical system of physics in the 21st century" is based on the in-depth study of the new discovery of the same material friction generated by the same charge. A new understanding of all electrostatic phenomena is proposed, and then a new understanding of atomic model is proposed. From a new perspective of the basic understanding of the material world, this paper puts forward a new understanding of the "new theoretical system of physics in the 21st century"! This "new theoretical system of physics in the 21st century" reveals that it is difficult for the existing theories to explain many major scientific problems

that perplex mankind. "The new theoretical system of physics in the 21st century" adds a new concept to our search for the truth of natural science! With the birth of the "new theoretical system of physics in the 21st century" in 2020, the publication of the article "basic research revolution of physics will usher in a new era of interplanetary spacecraft research"[4], which will accelerate the pace of mankind from "earth civilization era" to "cosmic civilization era"!

4. The scientific significance of "the new theoretical system of physics in the 21st century"

The birth of the new theoretical system of physics in the 21st century! It will speed up the pace of mankind from the "earth civilization era" to the "cosmic civilization era"!

The paper "the revolution of basic research in physics will usher in a new era in the study of interstellar space vehicles" published at the international conference in London is the first time that mankind has put forward the research article on "space flying saucer"(Figure 1) with electromagnetic propulsion at the international academic conference!

The following is an excerpt from the author's new theoretical system of physics in the 21st century :

The birth of the new theoretical system of physics in the 21st century! It will speed up the pace of mankind from the "earth civilization era" to the "cosmic civilization era"!. Under the guidance of the theory that each planet "emits electromagnetic field" into outer space in the new theoretical system, the author designs the experimental results of the lifting force produced by the high-voltage discharge body on the earth discharge, which has important significance and application value. The experiment is based on the lifting force caused by the repulsion between the earth's "electromagnetic field" discharging into "outer space" and the high-voltage discharge body. This is a way to overcome the gravity of the earth by using the "law of equilibrium distance between gravitation and repulsion" between planets. Specifically, It is a kind of spacecraft which uses the principle of inter satellite repulsion force as its dynamic performance. This kind of spacecraft will be able to high speed fly freely between planets by using the dynamic performance of "inter satellite repulsion force principle".

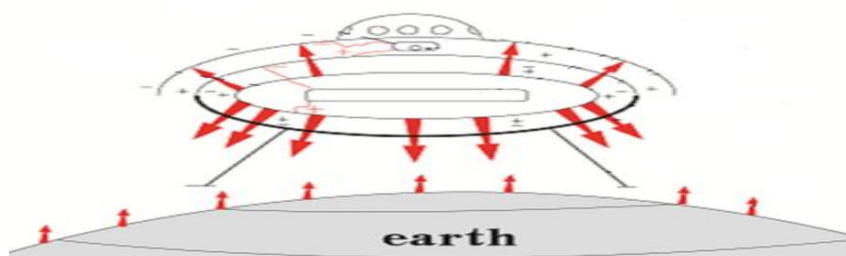


Figure 1: Schematic diagram of space flying saucer prototype

In the future, with the improvement of discharge energy of high-voltage discharge vehicles, when human successfully develops the "space flying saucer" with high-power discharge driven by electromagnetic propulsion and roaming in interstellar space, it will be more convenient for human to travel to and from various planets. It will usher in a new era of interstellar space vehicles! With the development of human beings to the depth of the universe, mankind will move from the era of earth civilization to the era of cosmic civilization! At that time, with the development of human beings to the depth of the universe, the vision of intelligent human beings will look at the whole universe, and will not trigger a nuclear war for the limited resources on earth! In order to avoid the fate of mankind being destroyed in a large-scale nuclear war. it is urgent to speed up the research of electromagnetic propulsion power "space flying saucer"[5-11]! This is the sacred mission given to us by the right of human existence! In order to speed up the research process of electromagnetic propulsion "space flying saucer", The author seeks the cooperation of the international community! I hope the miracle of human space will come soon! Accelerate the pace of mankind's stride from the "earth civilization era" to the "cosmic civilization era"!

References

- [1] Zhou Jianghua. Same substance Experimental phenomena and explanation of the same-sex negative charge produced by friction of the same substance. *Journal of Ordnance Engineering College (Proceedings of the ninth electrostatic academic conference of Chinese Physical Society)*. 2000, Vol. 12 (Supplement): pp295-298.
- [2] Beijing TV reported the 1167 episode of "science and technology in all directions" (broadcast time: May 12, 2005, broadcast Title: I want to get a "Nobel") Zhou Jianghua's major physical experiment discovery: Experimental phenomena of the same charge produced by friction of the same substance. http://www.21ufo.com/h-nd-12.html#_np=2_307
- [3] Jiang Hua Zhou "New theoretical system of physics in the 21st century". 2020 J. Phys.: Conf. Ser. 1634 012103. IOP Publishing.
DOI: <https://doi.org/10.1088/1742-6596/1634/1/012103>
- [4] Jiang Hua Zhou "Revolution in basic research of Physics Will usher in a new era in the study of interstellar space vehicles", ICIEI 2020: Proceedings of the 5th International Conference on Information and Education Innovations July 2020 Pages:89–95. Publisher: Association for Computing Machinery New York NY United States.
DOI: <https://doi.org/10.1145/3411681.3411687>
- [5] Zhou Jianghua. Revealing the causes of the formation of the earth's gravitation. The sixth Chinese Symposium on new photoelectric detection technology and its application. Beijing. December 3-5, 2019. © (2020) COPYRIGHT Society of Photo-Optical Instrumentation Engineers (SPIE).
DOI: <https://doi.org/10.1117/12.2564978>
- [6] Zhou Jianghua. revelation of the truth of Natural Science in the material world. Science and technology innovation, 2018, issue 32: PP 137-143.
- [7] Zhou Jianghua. Development plan of human flying saucer in the 21st century. Science and technology and enterprise. 2015 (1): pp243-246.
- [8] Zhou Jianghua. Development plan of electromagnetic propulsion spacecraft in the 21st century. Science and technology wind. November 2018, (32): pp1-8.
- [9] For the video of the experiment, see the website: International Physics Network of the 21st century. Website: <http://www.21ufo.com/h-pr.html>
- [10] CCTV of the people's Republic of China "Zhou Jianghua UFO Research Report" (see the following video: 1:45-3:40), broadcast time: February 15, 2010.
http://www.21ufo.com/h-nd-7.html#_np=2_307
- [11] Zhou Jianghua. Aerospace flying saucer: Chinese patent, 2014106932673, announcement date: May 13, 2015, announcement number: cn104608930a.



pictures

Authors' background

Your Name	Title*	Research Field	Personal website
Jianghuazhou	Wrong "theory of electron gain and loss friction electrification" and the significance of establishing "new theoretical system of physics in the 21st century"	physics Space Engineering	www.21ufo.com