

Physical foolishness

(Translated from Polish into English by Andrzej Lechowski)

Abstract: In the article there is presented an erroneous use of the concepts of electrostatic charges. This wrong way contributed to the fact that many people of the world of science, instead of logical thinking, began to interpret physical phenomena based on mathematical symbols "+" and "-". The worst, however, is that in this way was limited logical thinking and theoretical physics introduced nonsense, stupidity, by which you cannot explain how actually physical phenomena run.

Nowadays physical stupidity is so widespread that all have gotten used to it and don't consider this a nonsense. People have grown accustomed to this stupidity so hard that they didn't notice it. Now, when I point a finger at the foolishness and point out to the people of their reckless use, I expect that few will be those who understand what is a physical nonsense and that is all ludicrous.

Physical foolishness that will be presented here, is of a special kind. It is related to the well-known physical phenomenon that occurs during friction of different materials with each other which don't conduct electric current. As a result of friction there occurs electrification of objects. It is said that on objects as a result of friction, are created electric charges - on some objects accumulate negative charges (with the sign "-"), and on the other gather positive charges (with the sign "+").

At this point, we can say that this is the first stage of birth of the physical foolishness, or perhaps one should say that it is a creation of circumstances and conditions for such birth. Because when someone talks about electric (electrostatic) charges and understands what is meant by positive and negative electric charge, the physical birth of foolishness does not have to happen.

And what it means to understand concepts of positive and negative electric charge? Those who understand the concepts of positive and negative electric charge, understand first of all that they are conventional names, which do not reflect the essence of what the concepts are behind them. The essence of the phenomenon, which is associated with friction between two objects, is very simple. If we take into account the two rods: ebonite and glass, and a piece of cloth, we know that these items have some structure. As a result of rubbing the rod by a piece of cloth there is compromised a structural balance in these objects. Some part of structural elements of one object shall move to the second object. One object loses some part of its structural elements - electrons, and the second object captures electrons into its structure. The balance is compromised and there is some kind of pressure of structural components that is moving in this direction, in order that this balance is restored. When electrified objects will be left in peace, their structure over time loses its electrified character, the structure returns to its original state of equilibrium. And this state of equilibrium could be restored fastest if the electrified objects were physically placed in a physical vacuum, for example, in a tank with a deep vacuum.

When electrified rod touches the ball of the electroscope, the leaves open up and remain in this state until the electroscope discharge, or until the time when state of the structure of the leaves (and other elements of the electroscope) return into balance. A physicist says in this case, that leaves of a charged electroscope diverge from each other, because they are charged with the same electric charge - the two leaves are positively charged or both leaves are negatively charged. For this reason, that they have like charge, they repel each other and move away.

If the physicist does not understand the essence of the phenomenon, which occurs in electroscope, in his mind already started to form the circumstances and conditions that favour the creation of the second phase of the physical birth of foolishness. Because given to conventional electrostatic charge signs "plus" and "minus" serve him already to interpret the course of event in the form of electrostatic interaction. The physicist just demonstrated a tendency to mindless repetition of physical foolishness. He completely fails to understand the physical mechanism of the phenomenon. But when he uses the concept of electrostatic charge and its labelling, it seems to him that he knew the nature of the phenomenon, and can convey his knowledge to others. According to him, it's enough just to use a simple schema - like charges repel each other and unlike charges attract each other - to explain the electrostatic behaviour of matter.

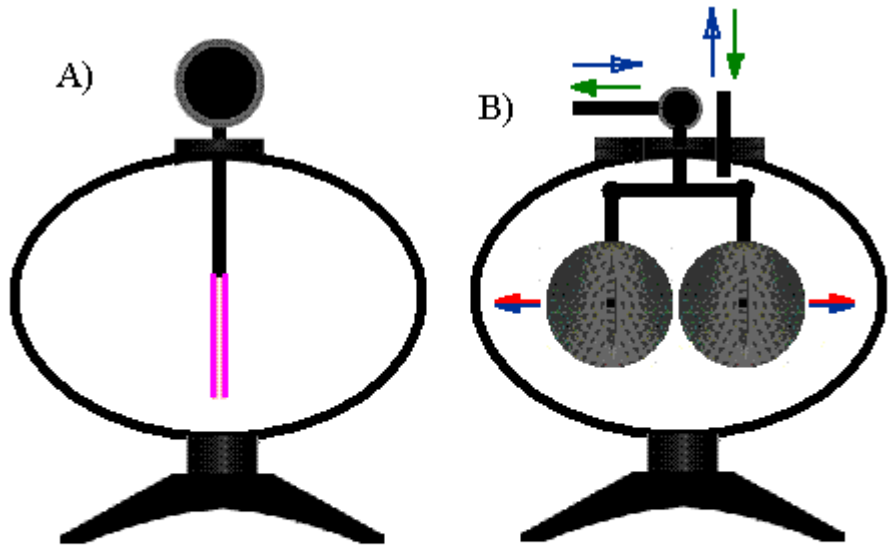
In fact, there are no repelling charges in the leaves of electroscope. This, what is happening in the structure of leaves of the electroscope, is only a gradual stabilization of the structure. This stabilization is joined with the absorption of electrons from the vicinity and filling a gap in the structure - this happens when the leaves are positively charged - or is joined with the expulsion of the excess electrons from the leaves into the environment - this occurs when the leaves are negatively charged.

Electroscope leaves open up and move away from each other. This happens because the flowing electrons force it, moving closer from all directions and penetrate the surface of the leaves to their structure, when there are missing electrons there, or leave the surface of the leaves and move away in all directions, when there is an excess of electrons in the leaves.

But you can deal with this issue more thoroughly. You will have to take into account the distribution of potentials of resultant fields of all components of the area where the phenomenon takes place. Because it is the distribution of potential that forces the flow of electrons in one or the other direction. The very flow of electrons is in a sense a by-product. Because if it is possible that they may flow, such a motion takes place. If, however, this is not possible, because the flow of electrons is blocked in some way, then the leaves also remain open. This is because there is a constant distribution of potential, which forces the flow of electrons, and which starts working as soon as the blockade will disappear and occurs the possibility for such a flow. It is this distribution of potentials that is the main cause of the electrostatic phenomena. *)

You can limit the interpretation of electrostatic phenomena - you can skip the field, direct, primary cause of the phenomena, and to focus on the intermediate, secondary one, or the flow of electrons. Then for the cause of the opening of the leaves of like charge can be considered the flow of electrons. In this case, the field cause remains somewhat in the shadows and the hydraulic cause is highlighted.

So far, in physics there is no such custom, that in order to explain the effects of electrostatic interaction a hydraulic phenomenon is used. So you need to introduced this custom. Because really, that's what happens when e.g., electroscope leaves (and the whole unit) gradually loses its electrostatic charge, is a hydraulic phenomenon. You can build similar device to the electroscope, in which instead of "compressed electrons" will flow compressed gas or liquid. The diagram of such device is shown in the figure below.



A) Electroscope B) Hydraulic model of electroscope
 → ← Directions of pumped fluid flow
 ← → Directions of deflection of both spheres with holes with the existence of overpressure of the liquid outside the spheres or inside the spheres

At this point, some of you probably already guessed that this is really the biggest physical stupidity, which is associated with electrostatic phenomena. Yes, indeed... Assigning many particles of matter signs "plus" and "minus", is a physical foolishness. Referring to these denotations as the proper feature for the particles, the use of these characters in the interpretation of the behaviour of particles in matter, and put it all in physics textbooks to pass a physical foolishness on to the next generations.

Those who first introduced this physical foolishness to science, they did it without thinking. They did not act logically, because of ignoring of simple experimental facts, and they didn't reflect on the impact that the future will bring as the result of their activities in physics. Later, they were recognized as authorities in this field of knowledge, for which they are considered today. We have the consequences ... Because today in particle physics there is still mindless repetition of nonsense that has been announced by the authorities.

It's time that finally physicists began to think logically about the structure of matter and began to think about the changes to be made in order that particle physics of matter has become a logical and rigorous science. I suggest physicists to exercise a little bit in practising of logical thinking in the area of fundamental interactions of matter - suggest them to familiarize with Constructive Field Theory, which is presented in short articles on pages <http://www.pinopa.republika.pl/> and http://nasa_ktp.republika.pl/ (in Russian <http://www.pinopa.narod.ru/> and <http://konstr-teoriapola.narod.ru/>).

Understanding the fundamental interactions of matter allows comprehending of all the interactions, about which says physics.

*) The construction of the structural components of matter, the spatial distribution of their field potentials and root cause of all motion of particles in matter - it's all detailed in Constructive Field Theory and the links to it are given at the end of the article.