Linevich Edvid Ivanovich
e-mail: linevich1949@yandex.ru

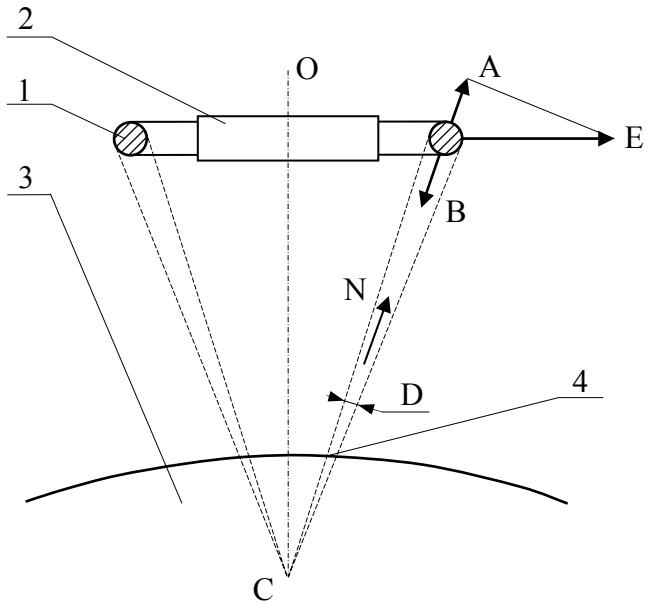
Technical Possibility of Time Rate Controlling[9]

The key words: gravitation, inertia, intensity of gravitation.

In already published articles [4, 5] the author made an accent on the imaginable (classical, geometrical) perception of a physical world. It's clear that each of the readers cannot "catch the idea" at once: one needs time for thinking over. We don't want to force our methods of investigation upon anybody, simply, the author possesses an instrument of imaginable mentality more than mathematics and noticed long ago that comprehension of physical phenomena comes simpler and faster with its help, and what is more important, it clears up such horizons for investigation, which could not be foreseen with the help of mathematics. Lets keep on talking about gravitation property in the same key. We call the force of inertia directed to the opposite side in respect to the force of gravitation – anti-gravitation (and it completely does not matter, which method was used to obtain it), to which the intensity of anti-gravitation corresponds in every points of space. We consider their physical nature as the same and therefore unite them under the general term – the intensity of space. According to the classical ideas every body experiences the influence of forces of mutual attraction. Quantitatively, this property is described by the law of gravitation, which was fist formulated for two bodies by Newton in 1687. From our point of view, the physics of this phenomenon is more complicated. To be simpler I can say the following: if the intensity of space exists so the force of gravitation effects the substance placed in it. It's known that the value of intensity depends on the mass of substance. In the light of said above, the gravitational interaction of two bodies
is considered to be the interaction of the mass of one body with the intensity of space created by the mass of another body. However, the intensity can be changed by another way. It can be shown that in motionless volume radially enveloped by rotor rotating with a high speed and having the form of a hoop or a ring, the intensity of space changes [3]. Note that the majority of "imaginary experiments" of A. Einstein to prove STR (special theory of relativity) and GTR (general theory of relativity) were carried out in a closed box (lift) falling freely, moving either with equal acceleration or with uniform motion and straightforwardly. It was a common mistake without any exclusion that some factors were not taken into consideration, namely: the intensity of space inside the box and outside (regardless of the type of its motion) remains unchangeable, the intensity of space inside the box and outside can be different. Appreciation of these factors changes radically the picture of any physical process. If the intensity of space has changed in some volume, so the time rate (time velocity) changes too. If the intensity increases, the time velocity increases too and all the elementary particles become heavier. An observer can see that all the processes in the volume have slowed down: the clock is slow (the mass of the pendulum has increased), the living organisms get old faster… Outwardly the picture observed would remind the movie made with increased frequency of frames. If the intensity decreases, the time velocity becomes slower, the elementary particles are lighter. An observer can see that all the processes in the volume have accelerated: the clock is fast (the mass of the pendulum has decreased), the living organisms get old slower… Outwardly the picture observed would remind the movie made with decreased frequency of frames (remember the movies with Charlie Chaplain: any motion in them is apparently uneven). We suppose that sufficiently great change of the intensity of space may cause the transformation of one type of particles into another type without nuclear reaction! The different rate of time will correspond to the different duration of a second. To evaluate quantitatively the rate, the duration of its second shall be compared with the duration of a standard second. As the last one we can take the duration of a second, which corresponds to the value of the intensity of space 9.81m/sec^2. Many years ago the author found the information (unfortunately he didn't remember the source) about the remains of plants

(leaves), which were found in geological deposits in which all the atoms of carbon had been replaced with the atoms of silicon. The mechanism of such a replacement is unknown to the science. I think that there was not any replacement, simply, there was an increase of the intensity of gravitation in the local volume or global scale, and under this influence the atoms of carbon transformed into the atoms of silicon…

In the cabin of an orbital spacecraft the gravitation is counterbalanced with the centrifugal force but the intensity of space inside and outside is the same and is less in numbers than on the surface of the Earth, so an astronaut being in space gets old slower than the people on the Earth. Specifically, it is determined experimentally that the earth microorganisms live in space longer. At the Chernobyl NPP (Nuclear Power Plant) the forth power block by unlucky chance occurred to be installed exactly on the tectonic break. About 10 seconds before its explosion the earthquake of a small power had been recorded. The commission investigating the courses of the disaster considered the influence of geophysical factor as unessential. On this event we can say the following: during the time of any tectonic process the change of the intensity of space (intensity of Earth gravitation) occurs in the local area. How can it influence the work of a reactor? Let us assume that in some parts of its active zone the intensity of gravitation increases for a short time. Besides, the rate of time increases too and it results in the increasing of the number of secondary neutrons and the speed of the reactor and it means the reactor becomes uncontrollable. It follows that without taking into consideration the geological factor, which we have shown as an example, any technical project can be thrown out into the wastebasket!



Lets imagine that over the surface of the Earth 3 there is a mechanical system containing a mobile mass as a rotor 1 having a circular shape, which rotates around the vertical axle 0, and a motionless mass 2 consisted of the remaining mass of the device (see chart in the illustration). Lets suppose that rotation speed of the rotor 1 is very high, for example it's approaching the velocity of light, so the day's rotation of the Earth and effects of a little order accompanying it can be neglected. It's quite clear that we have left out some details of minor importance (i.e. rotational drive, control device etc.). Each element of a radial section of the rotor 1 is effected by the force of weight B and centrifugal force E. The weight B is always directed to the center C of the globe but the centrifugal force E is always perpendicular to the axis of rotation 0, therefore the above forces are not orthogonal to direction of weight B is directed oppositely to the last one and is not equal to 0 (zero) and is the inertial force, which we call anti-gravitation [1]. It corresponds to the intensity of anti-gravitation N, which direction coincides with A. Due to the shown above assumptions regarding the speed of rotor rotation 1 and rotation of the globe 3 we can evaluate the value N quantitatively. Suppose that the device has the mass 50t and is "hanging" over the surface of the Earth at a distance 10000km. Then the rotor 1 must have the mass 0.12g and the intensity N of anti-gravitation on the surface at the point 4 will be 50 times higher than the Earth's, besides the substance of the Earth will be effected by the force of weight directed upward. If the surface at this point is not sufficiently hard so the soil will be torn out of

it and the trace of impact looking like a trench of a circular form will remain with the width equal to the depth D of the wall of anti-gravitational cone (dotted line in the chart). After the impact of intense intensity on the substance stops, the trace of impact will keep abnormal value of gravitation for some time.

The possibility to control the value and direction of the intensity of space can be used in technological purposes. First that comes to mind at once – the possibility to change in due direction the time of decomposition of radioactive isotopes; it's possible without a contact at a distance to "X-ray" the surface of the Earth and the objects on it, for example with the purpose to destroy nuclear weapons.

Due to some reasons the said above device cannot create a local volume with sufficient homogeneous intensity of space. That is why its influence on the living organisms is too harmful. Imagine that all the parts of your body would work uncoordinated. And what would be if the sells of your body worked without agreement? The answer is clear: it will lead to a heavy disease and even to death. To achieve large volumes with high homogeneous distribution of the intensity of space we need a device of another type. One of this laboratory device is under the patent registration ("Gravitational Inductor", No.2001127476, Oct.9, 2001). In particular, it is possible to conduct the experiments in its working-chamber on increasing the time-life even of animals.

If to add to the chart of the device the drives allowing to displace in a little scale the mass 2 relative to the rotor 1, then we can obtain a gravitational mover. As it has been said above the intensity of space appears including a radial section of rotation of the rotor 1 between the axle of rotation 0 and its inner side. If the elements are located symmetrically (as shown in the chart) all forces effecting the device are balanced. If to break this symmetry, for example to displace the mass 2 relative to the rotor 1 to the right then the force applied to the mass 2 appears and the whole device under its influence will shift to the right. And for shifting to the left the mass 2 shall be shifted to the same direction. For moving upward or downward the mass 2 shall be shifted along the axle 0 upward or downward correspondingly. The movement of the whole system results from the following: the mass 2 interacts gravitationally not with the rotor 1 but with space. When accelerating the device, its passengers will not experience the overloading because the mass of the passengers is included into the mass 2.

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