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Refinement of law the world gravitation force for gravitational field of the universe

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Currently, the force of gravitation is determined by the value F_G of interaction between the two point bodies of mass m_1 , m_2 (kg) which is located at a distance r (m) between them, according to the law of world gravitation, who discovered Newton. Currently the law for the force of the gravitational field is discovered. He was received on the basis of found parameters of the gravitational field waves: the frequency $v_G = 7.4 \cdot 1042$ Hz, wavelength $\lambda_G = c/v_G = 4.051249|432|\cdot 10^{-35}$ m (where c_G is speed of light in vacuum), energy of this wave $E_G = hv_G$ (where e_G is the Plank's constant) and the mass equivalent of energy this wave $e_G = hv_G/c^2$. In this case e_G is the number of gravitational field wavelengths e_G , which are placed on the vector of the distance e_G between the selected objects. The connected of

basic and new forces (where G – gravitational constant) is the form (1): $F_c = G \frac{m_1 m_2}{r^2} = G \frac{m_1 m_2}{r^2 r^2} = G \frac{m_1 m_2}{r^2 r^2} = G \frac{m_1 m_2}{r^2 r^2} = \frac{m_1 m_2}{r^2} = \frac$

 $c^2 = (\lambda_0 v_o)^2 = (\lambda_0 v_o^2) \lambda_0 = g_o \lambda_0 = 2.2184638 \cdot 10^{51} \left(\frac{m}{s^2}\right) \times \lambda_0(m)$. (2) Thus, the force F_G of the gravitational field is reduced to the inertial force (3):

 $F_o = \frac{m_i}{N} g_o \lambda_o = \frac{m_i g_o}{N}$ (3) Within the framework of law (3), in order to exclude a gravitational collapse, all objects of the material world in the universe should rotate relative to the centre of mass.

Biography

Valentyn A Nastasenko is a Professor of Department of Transport Technologies of Kherson State Maritime Academy, Kherson, Ukraine. He is a candidate of technical sciences. The scope of his scientific interests includes quantum physics, gravitation theory and the foundations of the material world and the birth of the universe the author of more than 50 scientific papers in these fields.

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