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THE THEORY OF THE ORIGIN OF THE COSMIC VACUUM AND ITS ENERGY, MATTER AND
ANTIMATTER

Abstract

THE THEORY OF THE ORIGIN OF THE COSMIC VACUUM AND ITS ENERGY, MATTER AND ANTIMATTER Mamedov Sabir Akhmedovich Baku State University, Baku, Azerbaijan Annotation The theory explains in detail the origin and formation of the unobservable cosmic vacuum and the strong energy observed in it, as well as matter and its antipode, antimatter. It was shown that when matter is formed from baryons, and antimatter from antibaryons (and the laws of conservation of baryon and antibaryon charges are strictly observed), the amount of antimatter is at least 10 times higher, creating an anti-universe. (The reason for non-observability is indicated in [1]). However, the anti-gravitational energy created by the anti-universe not only fills the cosmic physical vacuum (therefore, the vacuum has the highest entropy), but also this anti-gravitational energy exists in our macro- and micro-worlds to which we owe it for the formation of life on Earth, and we must know life as a rare phenomenon caused by an objective cause. Keywords: space vacuum, matter, antimatter, universe, anti-universe, anti-gravity energy of the anti-universe in a vacuum. References 1. M. S. Ahmedovich. EJERS, European Journal of Engineering Research and Science Vol 5, No. 8, 2020. The Real Universe Model: Constantly Expanding and Constantly Compressed Universe Theory. 2. H.B. Kosinov, V.I. Garbaruk, D. V. Polyakov Winword.zip, The phenomenon of vacuum-3. What lies at the heart of the World study of the physical vacuum (with 3D animations) e-mail: kosinov@unitron.com.ua. 3. A.D. Chernin, Uspekhi fizicheskikh nauk, Vol. 171, No. 11, 2001. 4. V.I.Arshinov, Yu.L. Klimontovich, Yu.V. Sachkov. NATURAL KNOWLEDGE AND DEVELOPMENT: DIALOGUE WITH THE PAST, PRESENT AND FUTURE. (<http://dr-gng.dp.ua/library/xaos/posl.htm>) 5. Klimontovich Yu. L. Decrease of entropy in the process of self-organization. S-theorem. Letters to ZhTF, 1983, vol. 8. 6. Zeldovich Ya.B. Is the formation of the universe "out of nothing" possible? Nature, 1988, No. 4, pp. 16-27. 7. Mostepanenko A.M., Mostepanenko V.M. The concept of vacuum in physics and philosophy. Nature, 1985, No. 3, pp. 88-95. 8. Barashenkov V.S., Yuriev M.Z. About new theories of physical vacuum. Physical Thought of Russia, 1995, No. 1, p.32-40.