

Ring models of nanomaterials

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The classical approach in particle physics is based on the fact that the electron has some parameters like charge, mass, etc. but does not have a structure. In our calculations, the electron is assumed as structured particle having magnetic properties. VFRT (Vortex Fractal Ring Theory) uses the electron, proton and neutron as a particle with a toroidal (ring) shape, which is formed by fractal substructures connected to each other by vortex electromagnetic fields. The atomic nucleus can be built from the ring protons and neutrons. Combining knowledge of physical chemistry, evolutionary optimization, 3D graphic, programming in Python, and mathematics makes it possible to create programs for designing new nanostructure models. The first testing proposal for the nanostructure prediction program is limited to carbon structures. The aim was to verify whether the proposed program is capable of generating known carbon nanostructures, such as graphene. The following versions of the program will no longer have this limitation.

Ring models can be used for explanation of vitalized water. There are currently two opposing views on vitalized water. Some authors consider everything around vitalized water as a pseudo-science. On the contrary there are good and positive insight. Water vortex and magnetic field of permanent magnets changes some of the water properties. Vitalized

water can be created by different water vitalizers. Next aim of the article is to describe 8 ways how we can obtain vitalized water, measure the physical properties of vitalized water (diamagnetism, wettability, surface tension and conductivity) and compare the efficiency of these 8 ways. There are 8 types water vitalizers: 1) a connector with a hole for 2 PET bottles, 2) a connector with magnets added, 3) a magnetic vortex vitalizer for water tap, 4) a vitalizer for a bathtub in the bathroom, 5) vitalizer with a motor and magnetic stirrer, 6) vitalizer with balls, 7) vitalizer for watering gardens and removing settled minerals in heating pipes and regulating heads, 8) vitalizer with shungite. There is big difference in water's magnetic properties.

Speaker Biography

Pavel Osmera received the MS degree in Electrical Engineering from Brno University of Technology Institute of Automation in 1969. During 1983-2018, he worked in Faculty of Mechanical Engineering, Institute Automation and Computer Science. His research is oriented to evolutionary optimization and physical chemistry. He was the founder and the organizer of the MENDEL International Conference on Soft Computing in 1995. From 1994 to 2000, he was director of the Institute: Automation and Computer Science, faculty of Mechanical Engineering in Brno. Now, he is currently working as professor in Brno University of Technology, Czech Republic.

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