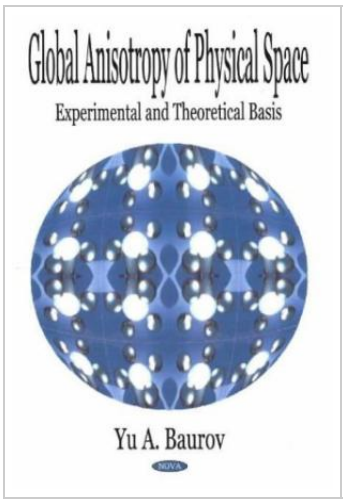

Global Anisotropy of Physical Space: Experimental and Theoretical Basis

By Y.A. Baurov

Nova Science Publishers Inc. Hardback. Book Condition: new. BRAND NEW, Global Anisotropy of Physical Space: Experimental and Theoretical Basis, Y.A. Baurov, Special Interest Categories: physics; astrophysics; space engineering. In the monograph, the results of experimental investigations of the global anisotropy of physical space hypothetically caused by the existence of cosmological vectorial potential, a new fundamental vectorial constant associated with a new anisotropic interaction of objects in nature, are presented. The above interaction is distinct from the four existing ones: the strong, weak, electromagnetic, and gravitational interactions. It is shown that the same anisotropic property of the physical space manifests itself with a high degree of reliability (~0.95) in experimental investigations performed with the aid of torsion and piezoresonance quartz balances posed in high-current magnets, in investigations of changes of (- decay rate of radioactive elements as well as in experiments with plasma devices, a system of quartz resonators, and two high-accuracy quartz gravimeter 'Sodin' one of which is with a specially attached magnet. It is also shown that the experimentally detected anisotropic property of physical space reveals itself in the anisotropic distribution of earthquakes above 6 Richter numbers of power (for the spatially immobile Globe), in the distribution of solar flares...

Reviews

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