

KOZYREV'S ASYMMETRICAL FORCE AND ITS POSSIBLE IMPACT ON GEODYNAMO

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Kozyrev postulated absolute difference of past and future, right and left rotation and grounded causal or asymmetrical mechanics, according to which in a rotating system appears an additional asymmetrical force F_{asym} . Laboratory measurements with rotated bodies proved that asymmetric force carry energy and angular moment, but no momentum. It means, that in rapidly rotated parts of a body asymmetrical force directed along axes of rotation, in slowly rotating parts (near the axes) – in opposite directions to yield null result after summation. Applying the result to rotated planets, one can expect that at some latitude asymmetrical force pass through zero changing the sign. Direct Kozyrev's measurements at northern latitudes φ from 45° to 84° proved that causal force is directed along Earth rotation axis: to the North for $\varphi < 73^\circ$ and to South for $\varphi > 73^\circ$, The change of the direction occur at the distance 1860 km from the Earth's axes. The magnitude of causal force has order $(1-5) \times 10^{-5}$ of gravity force.

Liquid core has radius 3490 km, then at the distances from the Earth's axes more than 1860 km asymmetrical force is directed to the North, in the nearer parts to the Earth's axes, - to the South. As result, asymmetrical forces form a system of vortexes in meridian plains which in the near to axes region deflected by the internal solid core with radius 1220 km. Flow of matter in liquid core has radial (in cylindrical system) component directed to or from axes. The first (to axes) is transformed by Carioles force into the counter-clockwise (seeing to the Earth from North) circular currents, the second – into clockwise currents: two in Northern and two in Southern hemispheres. These currents (flow of matter) should be important for geomagnetic field generation, especially during epoch of small geomagnetic field and its reversal

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