

During almost two decades I have returned repeatedly to the fascinating but unfortunately un-recognized work of Roschin and Godin about rotating magnetic systems. With the recent advances in TGD it has become clear that the reported strange effects such as the change of weight proportional to the rotation velocity of rollers taking place above 3.3 Hz rotation frequency and rapid acceleration above 9.2 Hz up to frequency 10 Hz could provide clues for developing a general vision about morphogenesis of magnetic body, whose flux quanta can carry Bose-Einstein condensates of dark charged ions with given mass and charge if the hypothesis  $h_{\text{eff}} = n \times h_{\text{gr}}$  identifying dark matter as phases with non-standard value of Planck constant holds true.

The generalization of Chladni mechanism would provide a general model for how magnetic flux tubes carrying charged particles with given mass at given flux tube drift to the nodal surfaces giving rise to magnetic walls in the field of standing or even propagating waves assignable to `\blockquote{topological light rays}` (MEs). Ordinary matter would in turn condense around these dark magnetic structures so that Chladni mechanism would serve as a general mechanism of morphogenesis. This mechanism could be universal and work even in astrophysical systems (formation of planets).

The change of weight correlating with the direction of rotation (parity breaking) and rapid acceleration could be understood in terms of momentum and angular momentum transfer by dark photons liberated in the quantum phase transition of many-particle states of dark charged particles to from cyclotron Bose-Einstein condensates giving rise to analogs of superconductivity and spontaneous magnetization.

There is also evidence that the presence of light source below massive object affects its weight by about .1 per cent. This effect could be explained along the same lines. Zero Energy Ontology and the proposed mechanism remote metabolism at the level of dark matter is however needed and this would force to modify dramatically the views about basic interactions at the level of dark matter.

An increase of weight  $\Delta g/g \simeq 2 \times 10^{-4}$  is observed for electrets: this number has appeared in TGD already earlier and in TGD framework could have interpretation in terms of dark matter layer with mass  $M^D \simeq 2 \times 10^{-4} M_E$  at distance of Moon. More generally, any living system could be accompanied by a magnetic body with this mass fraction and lose it in biological death. Amusingly, this change of weight happens to consistent with the "weight of soul" claimed to be 21 g.