FUNDAMENTAL POSTULATES OF THE SGDM MULTIVERSE MODEL

Canonical Axiomatic Framework of Gravitational-Dynamic Cosmology and Quantum Topology

Author: Yuri A. Chesnokov (President of NRAP Russia, Physical-Technical Faculty of DSU 1984)
Official Research Portal: https://multiverse.asistent-aiart.ru/en/

Postulate 1. Physical Multiverse and Graviton Ocean

Physical space is not an abstract vacuum, but a continuous medium filled with a massive graviton ocean spanning interacting relativistic domains.

Postulate 2. Centrifugal Detonation of Kerr Mega-Black Holes

The Big Bang (t = 0) is a regular centrifugal detonation of a rotating Mega-Black Hole (M ~ 10^{23} $M_{\odot}$) reaching the Kerr horizon limit a* ⟶ 1.0.

Postulate 3. Nuclear Saturation Density and Singularity Prohibition

Matter inside event horizons reaches nuclear saturation density $\rho_0 \approx 3 \times 10^{17}$ kg/m^3, with central gravitational acceleration strictly vanishing: g(0) ≡ 0.

Postulate 4. Quantization of Gravitational Charge ($N_g = A$)

Every atomic nucleus carries a quantized gravitational charge strictly proportional to its mass number: $N_g \equiv A$.

Postulate 5. Topological Standing Wave Torus and Speed of Light

The electron is a 3D de Broglie vortex standing wave torus with base integer perimeter N = 128 + 9 = 137, where the speed of light c ≡ 137.036 sgdm/s is the unrolling rate of the torus wave into free vacuum.