

## GRANGELS

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### Abstract

Based on the quantum modification of the general relativity (Qmoger), gravitational angels (grangels) are introduced as areas of the background graviton condensate surrounding the interfaces between gravitons and the ordinary matter. The quantum entanglement is interpreted as interaction between splitting grangels. Our subjective experiences (qualia) are described in terms of grangels surrounding neuron clusters. A hierarchy of grangels is considered, including cosmological grangels

### References

- [1] Evgeny A. Novikov, "Ultralight gravitons with tiny electric dipole moment are seeping from the vacuum", Modern Physics Letters A, v. 31, No. 15 (2016) 1650092 (5 pages).
- [2] Evgeny A. Novikov, "Quantum modification of general relativity", Electron. J. Theoretical Physics, v. 13, No. 13 (2016) 79-90.
- [3] Evgeny A. Novikov, "Gravicomunication, subjectivity and quantum entanglement", NeuroQuantology, December 2016, v. 14(4), 677-682.
- [4] Evgeny A. Novikov, "Emergence of the laws of nature in the developing entangled universe", American Research J. of Physics, v.4(1), (2018), 1-9.