

## **THE DISCRETE ENERGY SPECTRUM OF THE GRAVITATIONAL RADIATION IN THE RELATIVISTIC THEORY OF GRAVITATION**

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### **Abstract**

The concept of gravitational radiation as a radiation of one level with the electromagnetic radiation is based on theoretically proved and experimentally confirmed fact of existence of electron's stationary states in own gravitational field, characterized by gravitational constant  $K=10^{42}G$  ( $G$  — Newtonian gravitational constant) and by irremovable space-time curvature. The received results strictly correspond to principles of the relativistic theory of gravitation and the quantum mechanics.

PACS 1999 – 04.90.+e, 52.55.Ez, 23.40.-s.

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**Keywords:** gravity, electron, spectrum, discharge, fusion.