

Abstract Submitted
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Generation of Gravitational Waves by the Spin, and Orbital Angular Momentum of Quarks and Leptons “Gravitational Waves Hypothesis” HASSAN GHOLIBEIGIAN¹, No Company Provided — Gravity like magnetism is a quantum mechanics phenomenon. Different mechanical motions of the quarks and leptons like spin, orbital angular momentum, and interaction between these two are the origin of the waves in quantum area. These waves may be the both gravitational and magnetic waves (GMW). Physicists can detect magnetic waves; however, they are not able to detect gravitational waves in quantum level yet, due to its weakness. In black hole, the orbital angular momentum and interaction between particles involving local and global large scale convection systems, become highly more. Therefore, radiated GMW become highly more. An observable factor is; observation of the binary neutron star merger GW170817 by LIGO, Virgo, Fermi, and Integral which indicate that the association of gamma-ray and gravitational-wave signals are the progenitors of one class of gamma-ray bursts. It implies that the origin of gravitational and magnetic waves may be from same particles. In other words, the gravitational waves are continually generating by quarks and leptons. Therefore, in Big Bang, GMW and fundamental particles may be created together. In this viewpoint, theory of everything may be proven.

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