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The mass, energy, space and time systemic theory-MEST-quantum gravitational field DAYONG CAO, Beijing Natural Providence Science & Technology Development Co., Ltd — Not only thing has the mass-energy of itself, but also thing has the space-time of itself. The space is from the amplitude. The time is from the frequence. $S = P(r) = f^2$, $T = P(t) = \ln(1 + \frac{1}{t}) = 2\pi\nu$. Among it, S: the space, T: the time, t: date, r: distance, f: the amplitude of wave, ν : the frequence of wave, P(x): Probability function. There is the Wave-particle duality; there is a mass-energy duality. $E = h\nu$, $m = \frac{h}{\lambda c}$ Among it, E: the energy of particle, m: the mass of particle, c: the velocity of particle, ν : the frequence of particle, h: the Planck constant. $E'\psi = i\hbar\frac{\partial\psi}{\partial t}$, $m'\psi = -i\hbar\frac{\partial\psi\partial t}{(\partial x)^2}$. Among it, E': the energy of wave, m': the mass of wave, c': the velocity of wave, ψ : the Wave Functions. In the solar system, sun radiate the repulsive (energy) wave and absorb the absorptive (mass) wave. and there is a energy balance system. The paper suppose that unlike mass repel each other; unlike energy attract. $E + E'\psi = mc^2 + m'c'^2$, $(\frac{(\partial x)^2}{(\partial t)^2} = c'^2)$. Everything has a system; anything can not exist without the system. The quark and Gluons are made up of the system of quark confinement.

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