

Abstract Submitted
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**Mass, Energy, Space And Time Systemic Theory—MEST DAY-
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Ltd — Things have their physical system of the mass,energy, space and time of
themselves-MEST. The time is from the frequency, the spac is from the ampli-
tude. Also they have different space-time and MEST of themselves, but all of
them have the balance system of MEST. In the solar system, the mass-energy is
center and the space-time is around. So sun absorb the absorptive wave, and ab-
sorb the mass-energy; and radiate the light, and radiate the space-time. The light
give the planets the repulsion energy; the absorptive wave give the planets the
gravitational potential energy. And there is the balance energy equation of planet
(with a Round revolution orbit), $\frac{1}{2}mv^2 + m'c^2 = -mgr = -G\frac{Mm}{r}$. $\Delta\frac{1}{2}mv^2 =$
 $\Delta m'c^2$, $\frac{1}{2}mv^2 = -\frac{1}{2}mgr \rightarrow \frac{1}{2}mv^2 = m'c^2 \rightarrow mv^2 = -mgr \rightarrow ma = -mg$ Among
it, “ $m'c^2$ ” is the energy of space-time of planet, “ $\frac{1}{2}mv^2$ ” is the kinetic energy of
planet, “ $G\frac{mM}{r}$ ” is potential energy of planet. The equation: “ $m'c^2$ ” show that the
planets have the wave of itself, and the wave give the planets the repulsion energy.
So it do not fall from the heaven. In atomic system, there is the balance energy
equation of electron (with a Round revolution orbit), $\frac{1}{2}m_e v_e^2 + m'_e c^2 = -\frac{1}{4\pi\epsilon_0} \frac{q_1 q_2}{r_e}$.
 $\Delta\frac{1}{2}m_e v_e^2 = \Delta m'_e c^2$, $\frac{1}{2}m_e v_e^2 = \frac{1}{4\pi\epsilon_0} \frac{q_1 q_2}{r_e} \rightarrow \frac{1}{2}m_e v_e^2 = m'_e c^2 \rightarrow m_e v_e^2 = \frac{1}{4\pi\epsilon_0} \frac{q_1 q_2}{r_e}$
Among it, “ $m'_e c^2$ ” is the energy of space-time of electron, “ $\frac{1}{2}m_e v_e^2$ ” is the kinetic
energy of electron, “ $\frac{1}{4\pi\epsilon_0} \frac{q_1 q_2}{r_e}$ ” is electric potential energy.

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