

Abstract Submitted  
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**Mass, Energy, Space And Time Systemic Theory —MEST —  
photoelectric conversion equation** DAYONG CAO, Beijing Natural Providence  
Science & Technology Development Co., Ltd — Things have their physical system  
of the mass,energy, space and time of themselves-MEST. The time is from the fre-  
quency, the spac is from the amplitude. Also they have different space-time and  
MEST of themselves, but all of them have the balance system of MEST. Also thing  
can leave off its old balance system, it will go into a new balance system. In atomic  
system, there is the balance energy equation of electron (with a Round revolution  
orbit),

$$\frac{1}{2}m_e v_e^2 + m'_e c^2 = -\frac{1}{4\pi\epsilon_0} \frac{q_1 q_2}{r_e}.$$

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 So when the light go into  
the metal, there is the photoelectric effect and the electron go out the atom, it get  
the new balance energy equation.

$$\frac{1}{2}m_p v_p^2 + m'_p c^2 = h\nu - \Delta E,$$

Among it, “ $m'_p c^2$ ” is the energy of space-time of photoelectron, “ $\frac{1}{2}m_p v_p^2$ ” is the  
kinetic energy of photoelectron, “ $h\nu$ ” is the energy of the light, “ $\Delta E$ ” is the electron  
need some energy to run out of the atom.

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