The mass, energy, space and time systemic theory-MEST DAY-ONG CAO, Beijing Natural Providence Science & Technology Development Co., Ltd — The displacement and period of the orbit of the motion are the space-time; the probability of them are the quantum space-time. Both of the energy-momentum tensor and metric tensor belong to the gravitational field. It can direct the space-time. The black hole has a space-time center as a origin of a mass-energy coordinate system and a binding energy of space-time like that sun has a mass-energy center and the nuclear energy. And it has a dark matter field around. There is a balance energy equation between sun and black hole.

\[ E = h\nu = mc^2 \]  

Among it, E: the energy of wave of sun, m: the mass of wave, c: the velocity of wave, \( \nu \): the frequency of wave, h: the Planck constant.

\[ E'\psi = i\hbar \frac{\partial \psi}{\partial t} \]  

\[ m'\psi = -i\hbar \frac{\partial \psi}{\partial t} \frac{1}{(\partial x)^2} \]  

Among it, \( E'\psi \): the energy of dark wave of black hole, \( m'\psi \): the mass of dark wave, \( c' \): the velocity of dark wave, \( \psi \): the Wave Functions.

\[ h\nu + E'\psi = mc^2 + m'\psi c'^2, \quad (c'^2 = \frac{(\partial x)^2}{(\partial t)^2}) \]  

Dayong Cao  
Beijing Natural Providence Science & Technology Development Co., Ltd

Date submitted: 29 Sep 2011  
Electronic form version 1.4