

$$E=mc^2$$

we could take this relation to celestial systems to know the energy of a system.

to do this we can make the difference between mass of the star and mass of planet's difference as in this relation $(m_1-m_2)c^2$

where m_1 is the mass of a the star and m_2 is the mass of the planet and one of the c is equal to orbit speed + gravitational pull at one sec and the other c or the other speed of light is multiplied by the difference between the masses and that is equal to the quantity of time in seconds that the system is at existence