

$$E = \gamma m_0 c^2 = \left[1 + \frac{1}{2} (v/c)^2 + \dots \right] m_0 c^2$$

$$E = m_0 c^2 + \frac{1}{2} (v/c)^2 m_0 c^2 + \dots$$

$$E = m_0 c^2 + \frac{1}{2} m_0 v^2 + \dots$$