

$$W = \frac{1}{2} m_1 v^2 + \frac{1}{4} m_2 r^2 \omega^2$$



$$E_k = \frac{1}{2} m v^2 + \frac{1}{2} J \omega^2$$



$$E_k = \frac{1}{2} J \omega^2$$

$$W = \frac{1}{2} m \left( v^2 + \frac{1}{2} r^2 \omega^2 \right)$$

$$E = E_{kr} + E_{kp} + E_p$$



$$E_k = \frac{1}{2}mv^2 + \frac{1}{2}mr^2\omega^2$$

