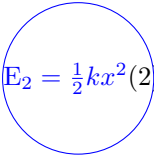
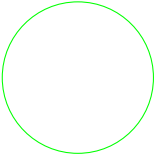

$$E_1 = \frac{1}{2}mv^2 + \frac{1}{2}I\omega^2 \quad (1)$$


$$E_2 = \frac{1}{2}kx^2 \quad (2)$$


$$E_3 = \frac{1}{2}qV \quad (3)$$