Kerja Sempadan Proses Politropik

Kerja Sempadan

$$W_b = \int_{v_1}^{v_2} PdV$$

Kerja Politropik

$$W = \frac{P_2V_2 - P_1V_1}{1-n} \qquad (\ n \neq 1\ )$$

Kerja Setekanan (n=0)

$$W = p(V_2 - V_1)$$

Kerja Sesuhu (n=1) *ideal gas*

$$W = mRT \ln\left(\frac{V_2}{V_1}\right) = mRT \ln\left(\frac{p_1}{p_2}\right)$$

Kerja Seisipadu (dv=0)

$$W_{b_{seisipadu}} = 0$$