

Hubungan u , h , c_p , c_v gas unggul

Muatan Haba Tentu pd. Isipadu Malar, c_v

$$c_v = \frac{du}{dT}$$

Muatan Haba Tentu pd. Tekanan Malar, c_p

$$c_p = \frac{dh}{dT}$$

$$du = c_v dT$$

$$dh = c_p dT$$

$$c_p = c_v + R$$

$$\frac{c_p}{c_v} = \gamma = \text{nisbah haba tentu}$$

$$c_p = \frac{\gamma R}{\gamma - 1}$$

$$c_v = \frac{R}{\gamma - 1}$$