

(20.6) Use eqn. (19.43) to estimate the maximum thermal efficiency for the Creys-Malville plant.

$$T_{in} := (487 + 273) \cdot K$$

$$T_{out} := (30 + 273) \cdot K$$

$$\eta_{max} := \frac{T_{in} - T_{out}}{T_{in}}$$

$$\eta_{max} = 0.601$$

$$\eta_{max} = 60.132 \cdot \%$$