

8.29 - Notes

MEC155

Efficiency:

$$\text{Input} = \text{Output} + \text{Wasted}$$

Percent Efficiency:

$$\left(\frac{\text{Output}}{\text{Input}}\right) \times 100$$

Theoretical Mechanical Advantage:

$$\frac{\text{Load}}{\text{Effort}} = \frac{W}{F}$$

Velocity Ratio:

$$\frac{\text{Distance moved by Effort / sec}}{\text{Distance moved by Load / sec}}$$