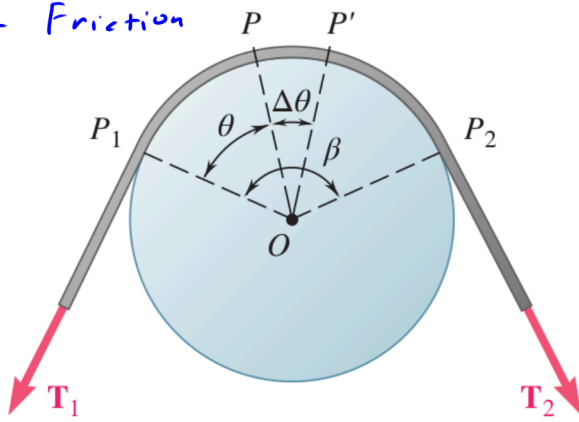


# Belt Friction

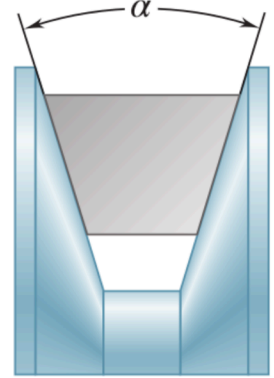


$$\ln \frac{T_2}{T_1} = \mu_s \beta$$

$$\frac{T_2}{T_1} = e^{\mu_s \beta}$$

$\beta$  must be in radians

# V-belt



$$\ln \frac{T_2}{T_1} = \frac{\mu_s \beta}{\sin(\alpha/2)}$$

$$\frac{T_2}{T_1} = e^{\mu_s \beta / \sin(\alpha/2)}$$