

$$Vx = -w1 \cdot A \cdot \sin(\alpha) - w2 \cdot B \cdot \sin(\beta)$$

$$Vy = w1 \cdot A \cdot \cos(\alpha) + w2 \cdot B \cdot \cos(\beta)$$

$$w2 \left(-B \cdot \cos(\beta) + B \cdot \sin(\beta) \frac{\cos(\alpha)}{\sin(\alpha)} \right) = -Vy - Vx \cdot \frac{\cos(\alpha)}{\sin(\alpha)}$$

$$w2 = \frac{-Vy - Vx \cdot \frac{\cos(\alpha)}{\sin(\alpha)}}{-B \cdot \cos(\beta) + B \cdot \sin(\beta) \frac{\cos(\alpha)}{\sin(\alpha)}}$$

$$w1 = \frac{-Vx - w2 \cdot B \cdot \sin(\beta)}{A \cdot \sin(\alpha)}$$

$$Wm + Wr - Wp = \frac{dEc}{dt}$$

$$Wp = (1 - n) \cdot \left(Wm - \frac{dEcm}{dt} \right)$$

$$Wm + Wr - Wm + Wm \cdot n = \frac{-dEcm}{dt} + \frac{dEcm}{dt} n + \frac{dEcm}{dt} + \frac{dEcu}{dt}$$

$$Wmn + Wr = \frac{dEcm}{dt} n + \frac{dEcu}{dt}$$

$$a = \frac{Cmn + Cu}{Jm_eqn + Ju_eq}$$