



**Control Action**

$$u = \mathcal{U}(z^+, z^0) = k \tilde{z}_2$$

**Algebraic Equations**

$$\begin{cases} (z^0 - 2\tilde{z}_1 - \tilde{z}_3)^2 = \kappa_3 \tilde{z}_1 \\ (z^+ - 2\tilde{z}_2 - \tilde{z}_3)^2 = \kappa_1 \tilde{z}_2 \\ \kappa_1 \kappa_3 \tilde{z}_1 \tilde{z}_2 = \kappa_2^2 \tilde{z}_3^2 \end{cases}$$

