



Physical limits

$$\Lambda_{lim+} = 10 \text{ cm}$$

$$\Lambda_{lim-} = -10 \text{ cm}$$

Hard limits

$$\Lambda_{h+} = 5 \text{ cm}$$

$$\Lambda_{h-} = -10 \text{ cm}$$

Soft limits

$$\Lambda_{s+} = 4 \text{ cm}$$

$$\Lambda_{s-} = -9 \text{ cm}$$

Slide position

x_0 : zero

x_{ref} : setpoint

Transition region

$$\mathcal{T} \subset \mathcal{X}_0$$