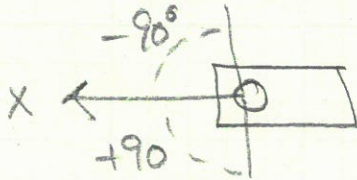


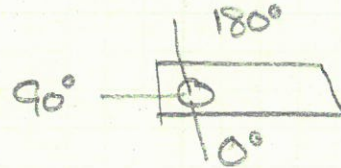
## Servo Corrections

wrist joint, need to correct angles from DH to servo angles

DH angles



Servo angles



$$\begin{aligned} -90 &\rightarrow 180 \\ +90 &\rightarrow 0 \end{aligned}$$

$$\text{Servo} = K \times \text{DH} + B$$

Solve for K:

$$\begin{aligned} 180 &= K(-90) + B \\ 0 &= K(+90) + B \end{aligned}$$

$$\begin{aligned} 180 &= K(-90) + B \\ 0 &= -K(+90) - B \end{aligned}$$

$$\begin{aligned} 180 &= -180K \\ K &= -1 \end{aligned}$$

Solve for B:

$$\begin{aligned} 180 &= (-1)(-90) + B \\ 90 &= B \end{aligned}$$

Angle conversion:

$$\text{Servo} = -\text{DH} + 90$$