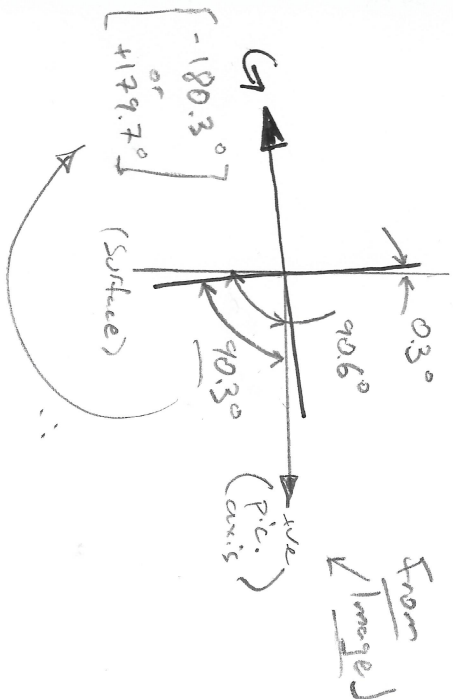


# Accelerometer Calibration Error

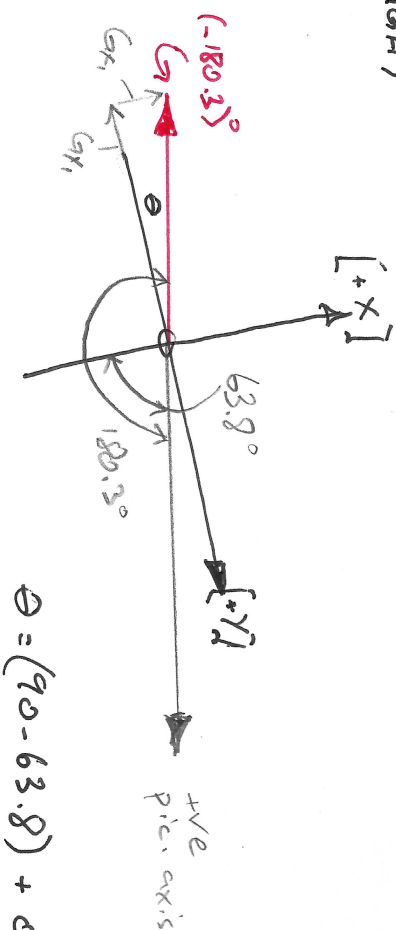
(Not to scale)

- Taken an average of 10 snapshots for absolute angles.

G-vector



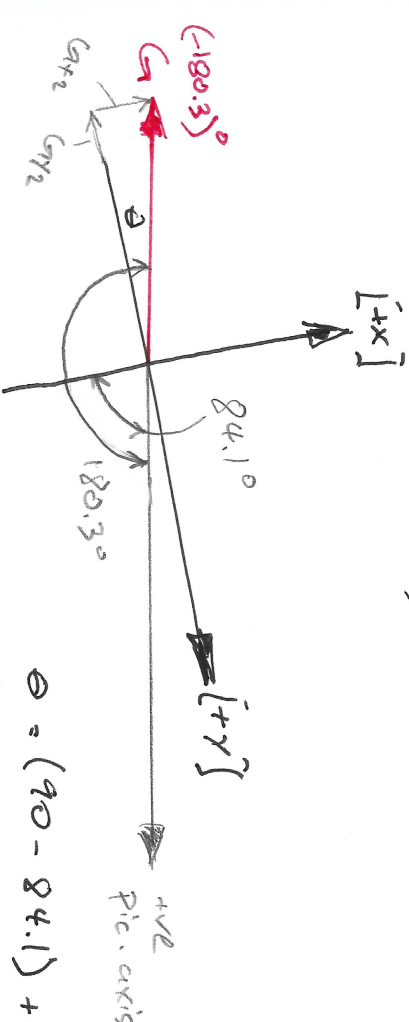
MU 1  
(THIGH)



$$\theta = (90 - 63.8) + 0.3 = 26.5^\circ$$

$$\begin{aligned} G_{x1} &= +\sin 26.5 = \boxed{0.45} \\ G_{y1} &= -\cos 26.5 = \boxed{-0.89} \end{aligned}$$

MU 2  
(SHANK)



$$\theta = (90 - 84.1) + 0.3 = 6.2^\circ$$

ICs for  
accel. bias

$$\begin{aligned} \therefore G_{x2} &= +\sin 6.2 = \boxed{0.11} \\ G_{y2} &= -\cos 6.2 = \boxed{-0.99} \end{aligned}$$