**Results from MATLAB for Presentation**

Quantitative Comparison between FBTC and FBSMC

IAE\_tc = 10.2659

RMSE\_tc = 0.3053

avgp\_tc = 0.0118

IAE\_smc =0.4848

RMSE\_smc = 0.0611

avgp\_smc = 0.0094

**Actual Results (SMC performance based on Robot data) from MATLAB**

IAE\_tc = 8.2070

RMSE\_tc = 0.2855

avgp\_tc = 0.0118

IAE\_smc = 6.0114

RMSE\_smc = 0.2228

avgp\_smc = 0.0144