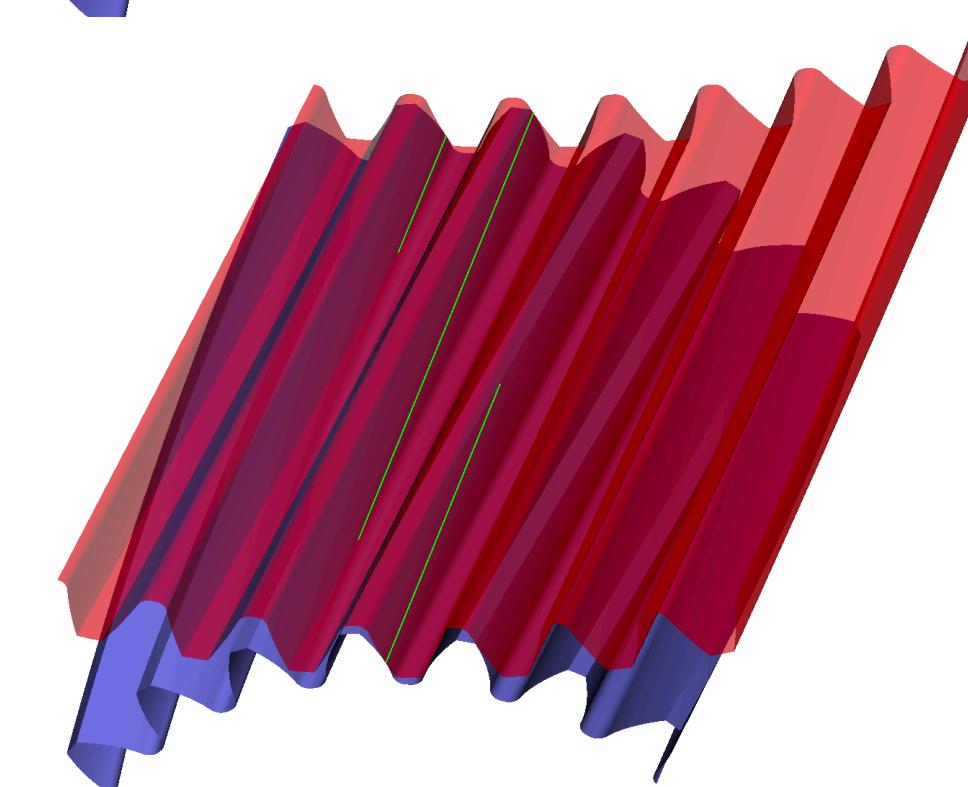
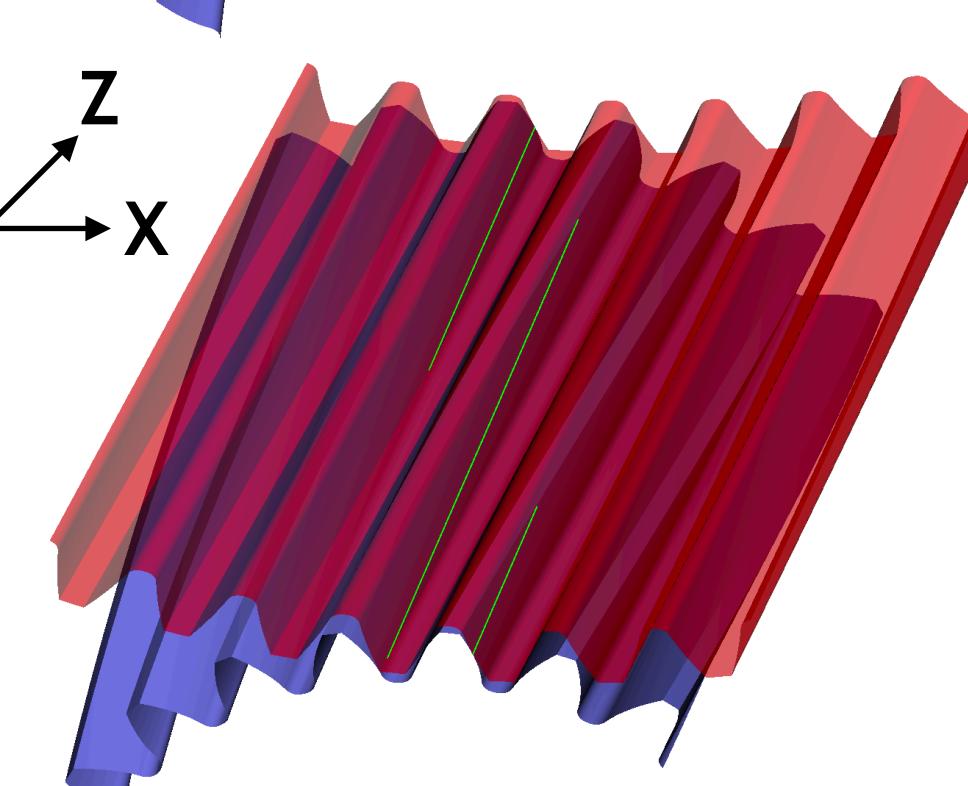
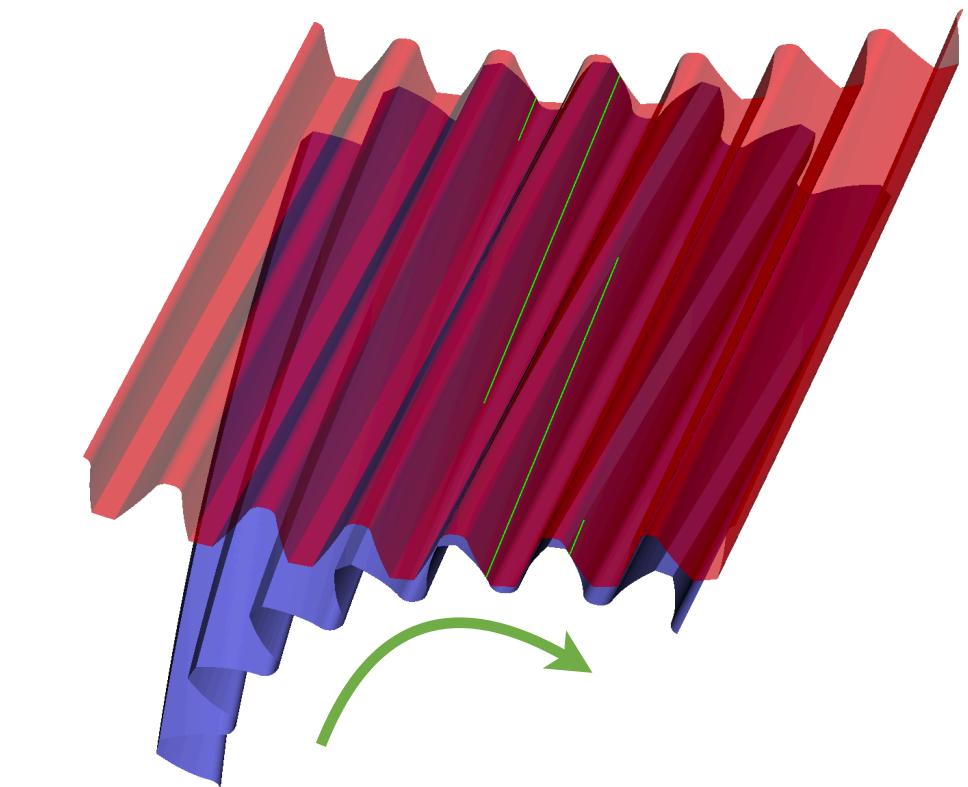


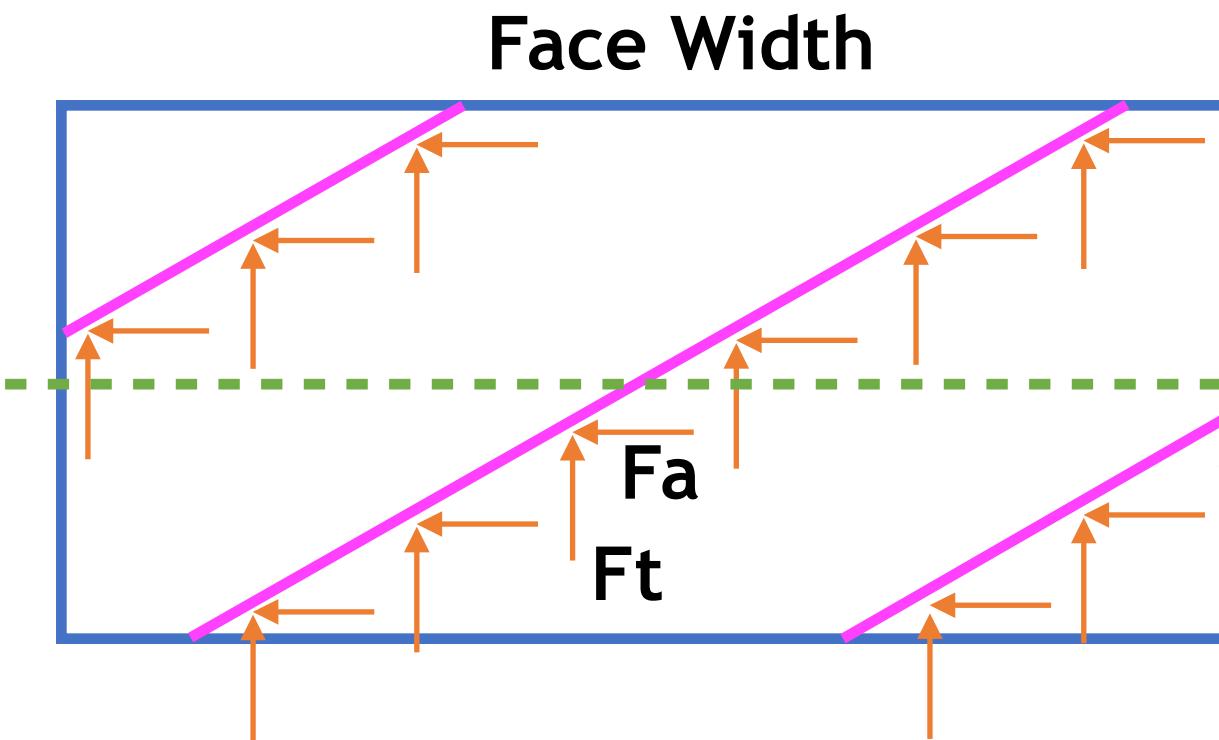
# Helical Gear Noise Excitation by Friction and Bending Moments

Moving contact lines for three meshing positions

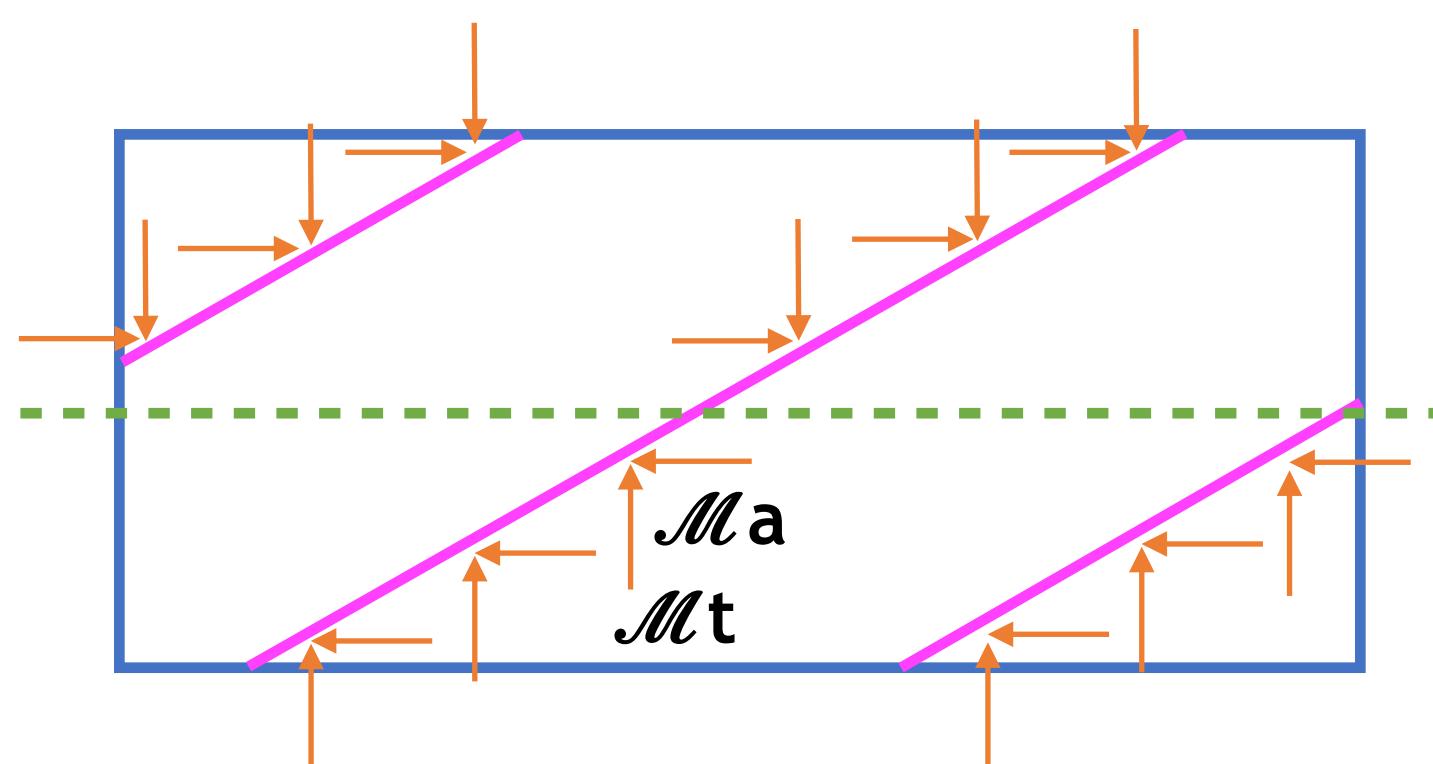


Tangential and Axial Forces

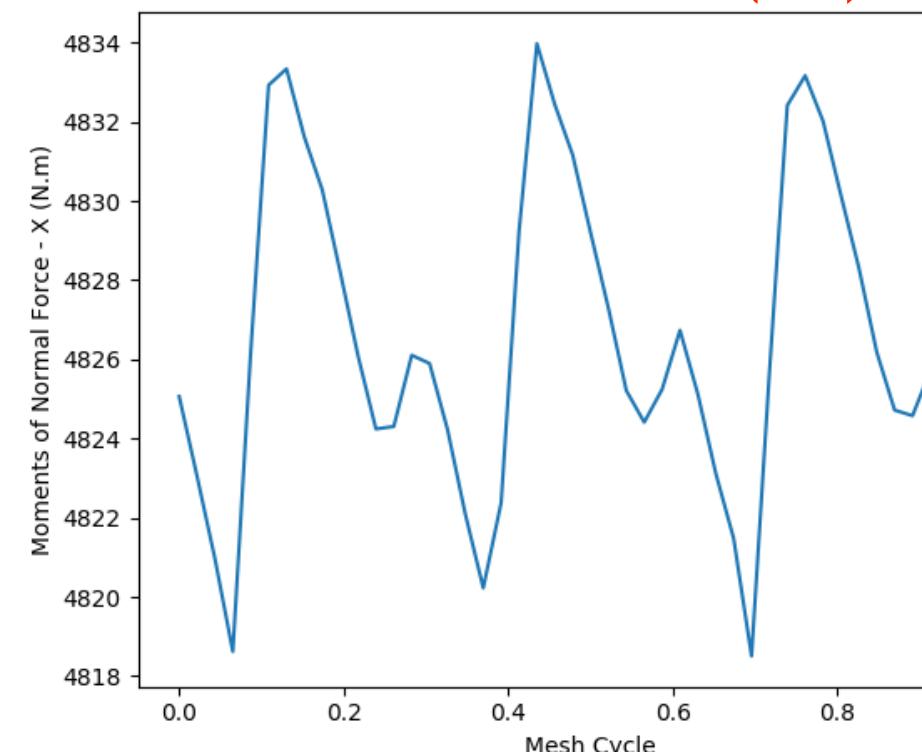
Line of Action  
(involute direction)



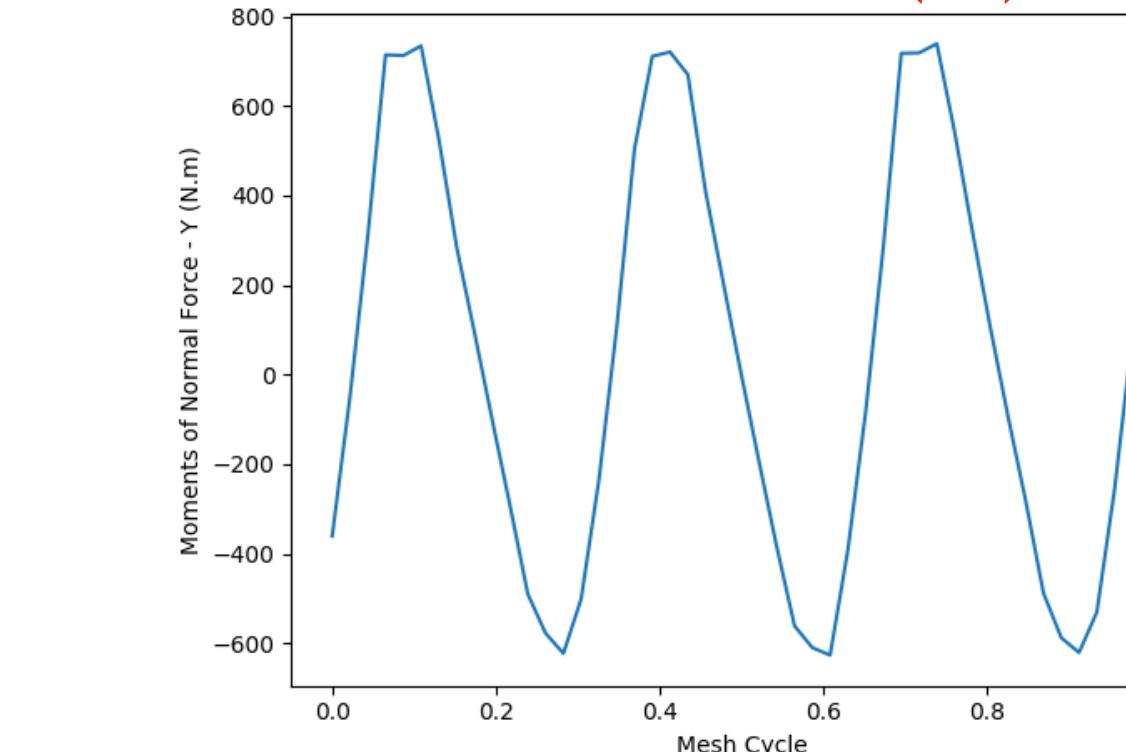
Pitch Line



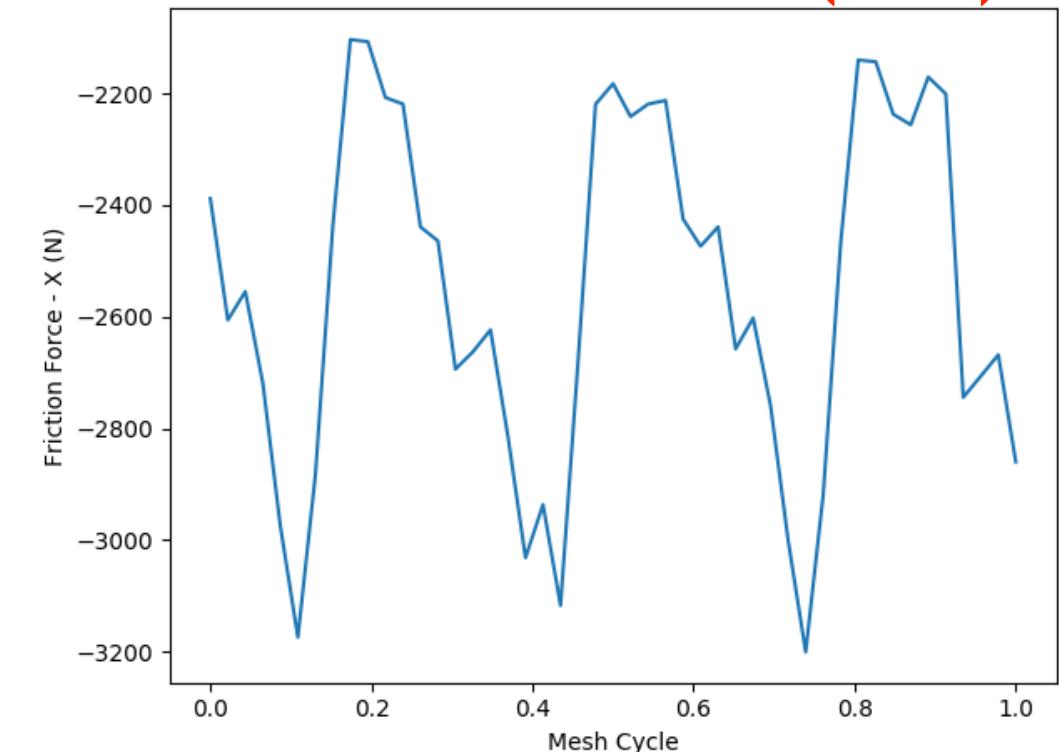
Moment X - ( $F_a$ )



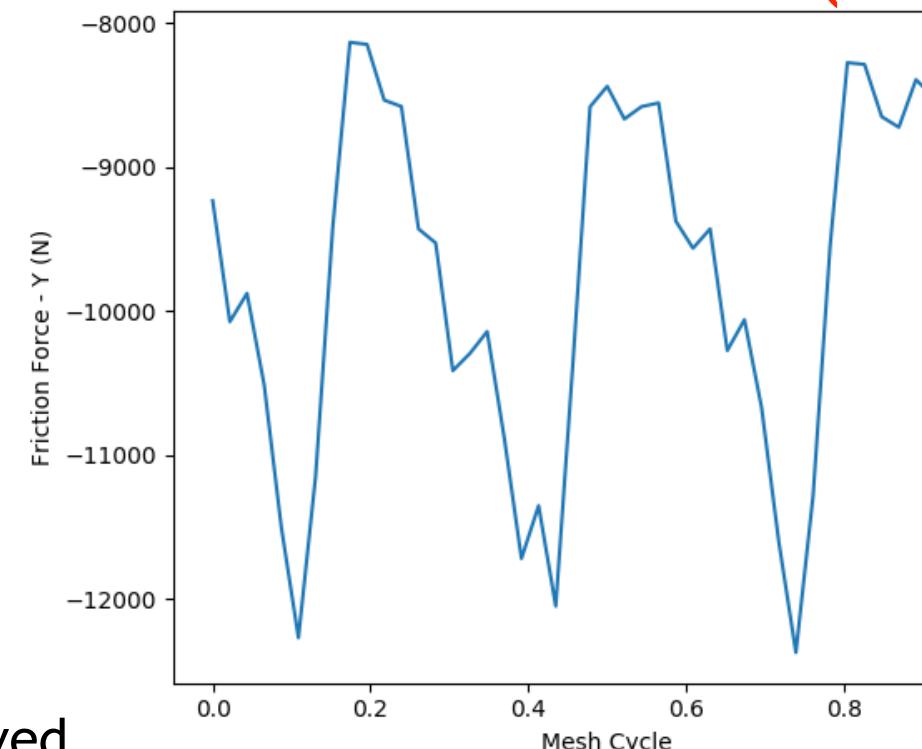
Moment Y - ( $F_t$ )



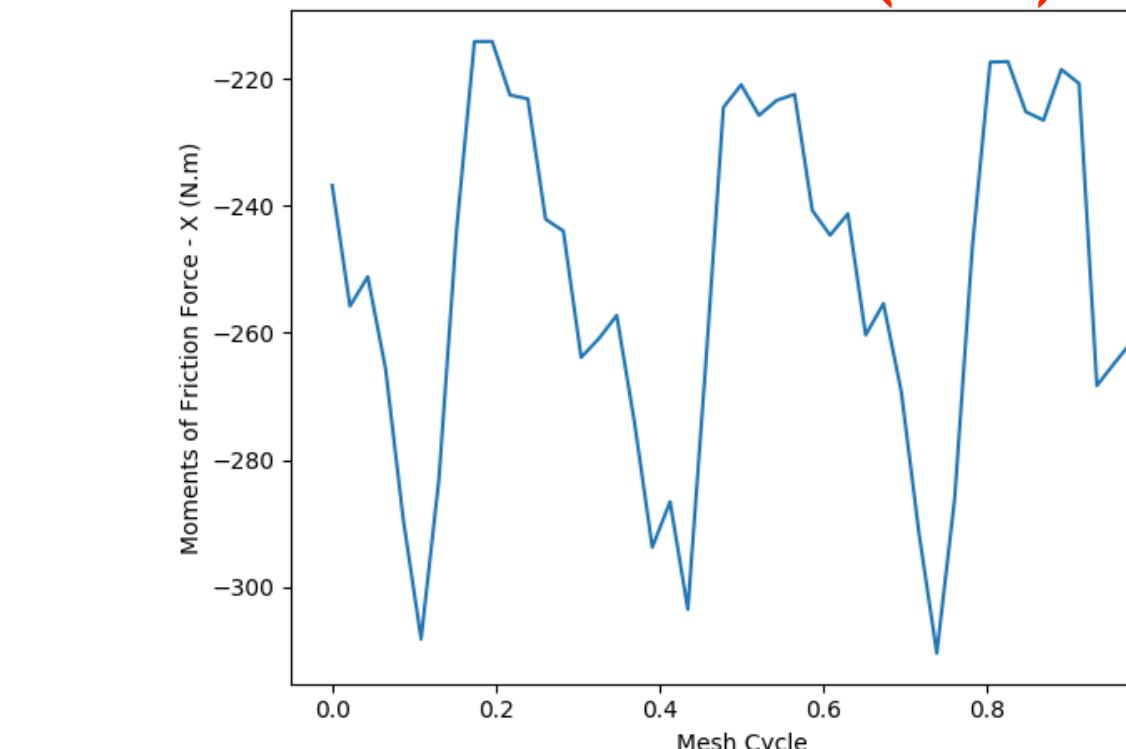
Friction Force - ( $\mathcal{M}_a$ )



Friction Force - ( $\mathcal{M}_t$ )



Moment X - ( $\mathcal{M}_a$ )



Moment Y - ( $\mathcal{M}_t$ )

