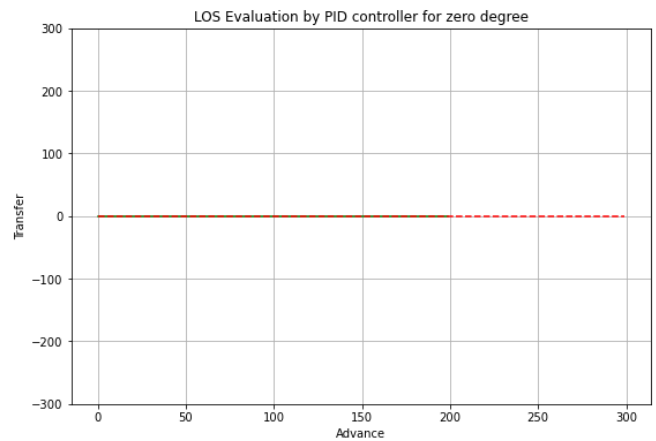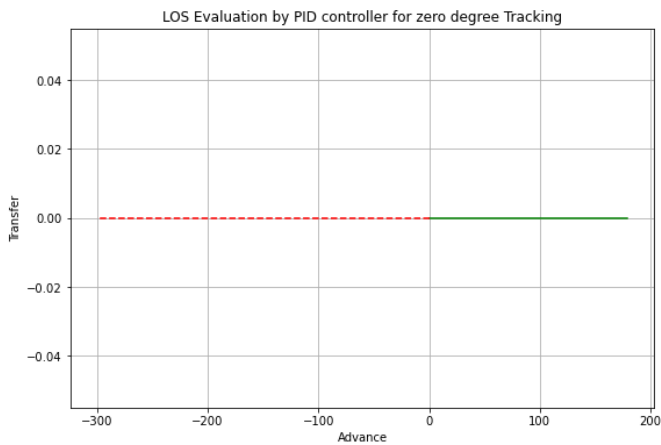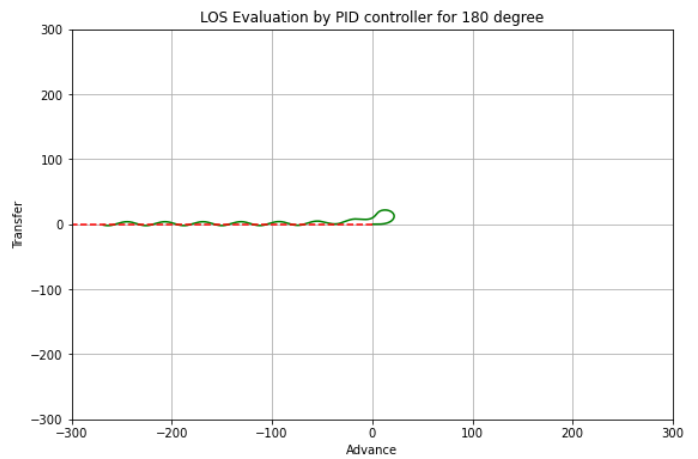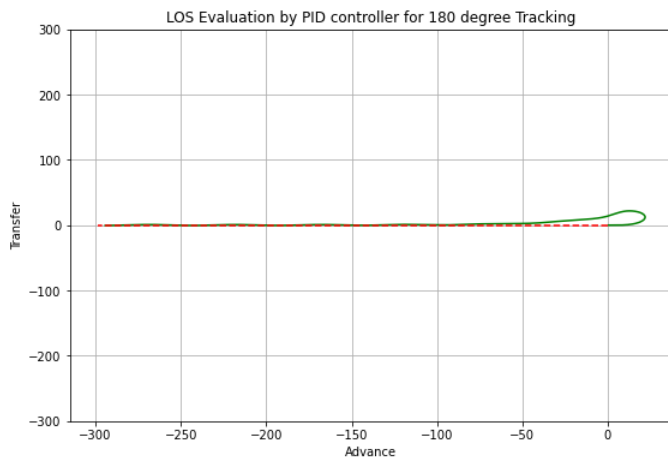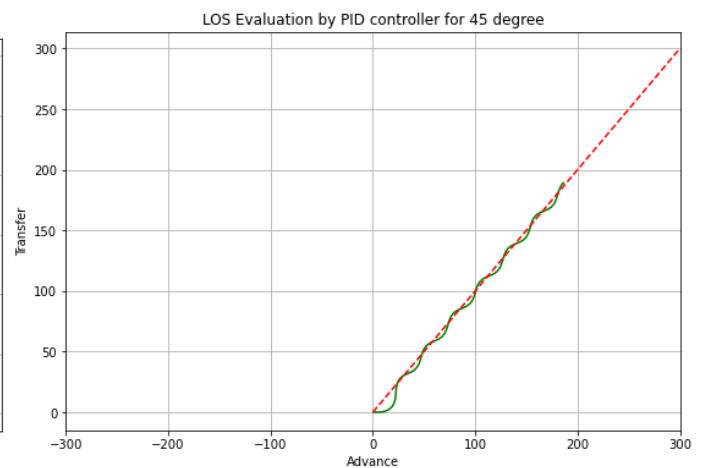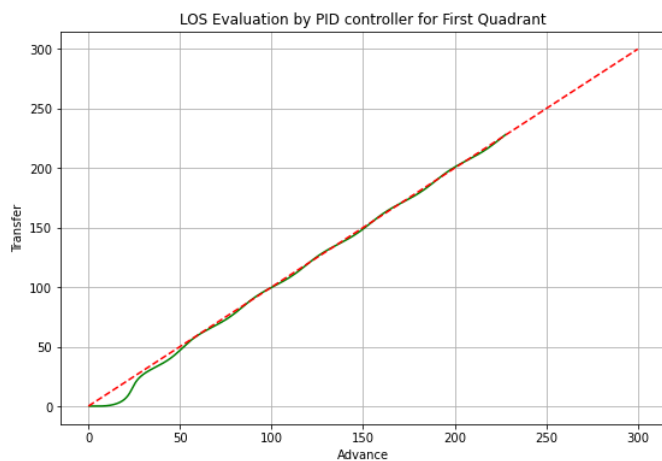# LOS Evaluation by PID Controller (beta = 0 and beta ≠ 0)
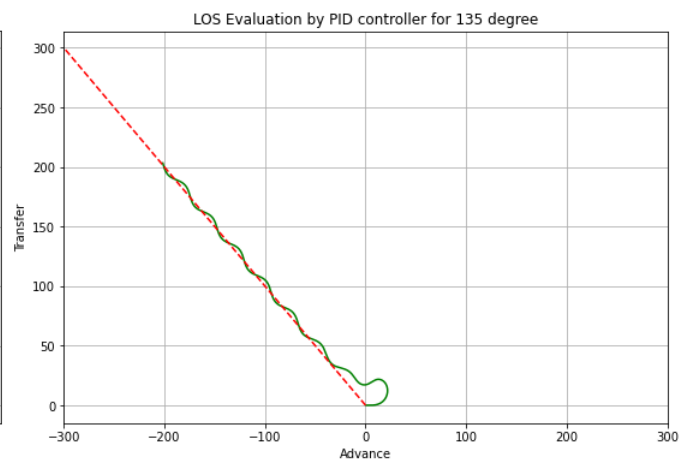
Zero Degree Heading:
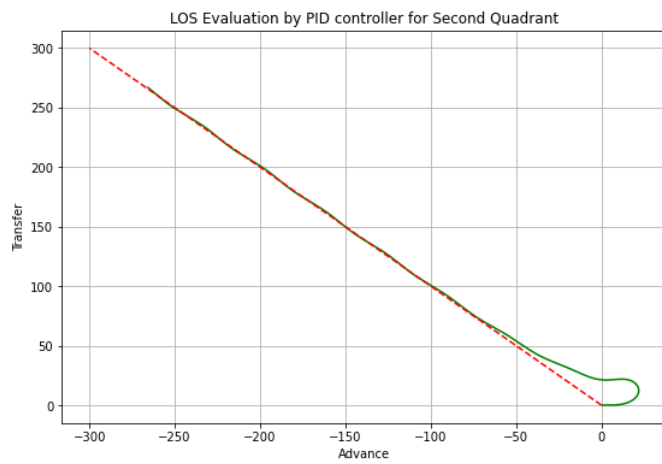

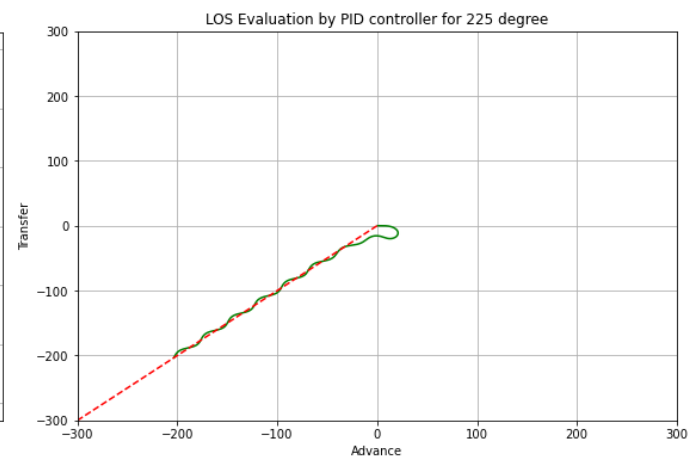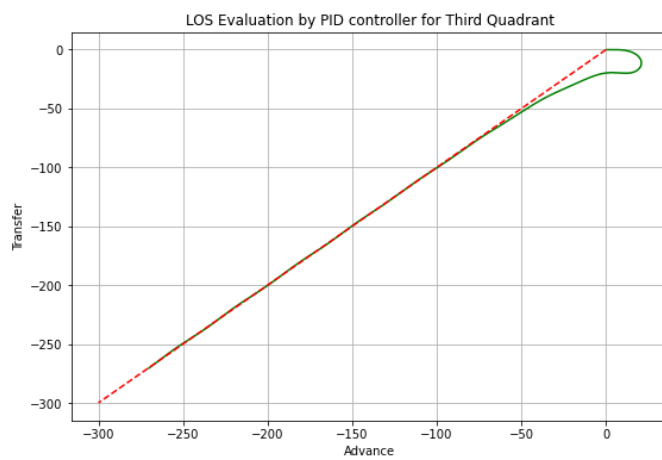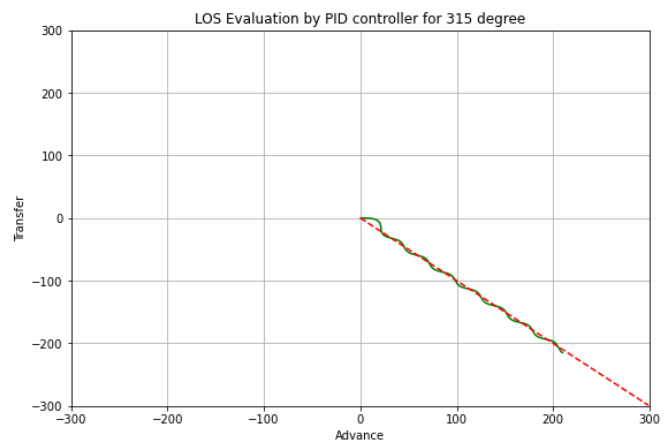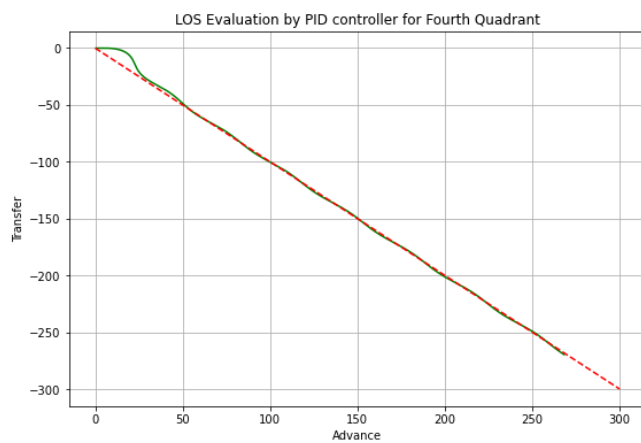## *180 degree – U-Turn Tracking:*

45 degree – First Quadrant:
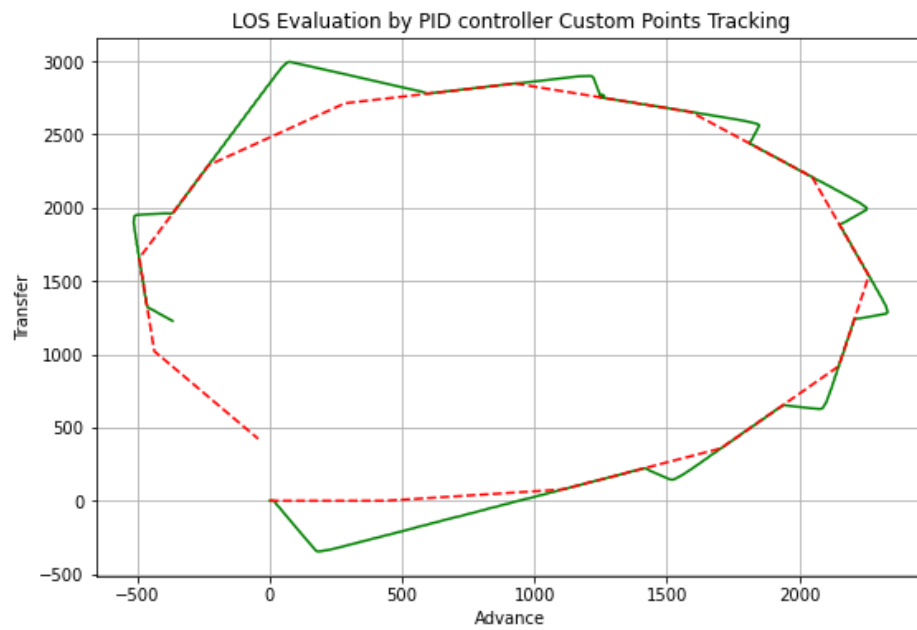
135 degree – Second Quadrant:

225 degree – Third Quadrant:

315 degree – Fourth Quadrant:

Custom Points Tracking:

*Note : "L7 – MMG Model" and R = 4 * Lpp*

LOS Evaluation by PID controller Custom Points Tracking

Scaled Model:

LOS Evaluation by PID controller Custom Points Tracking