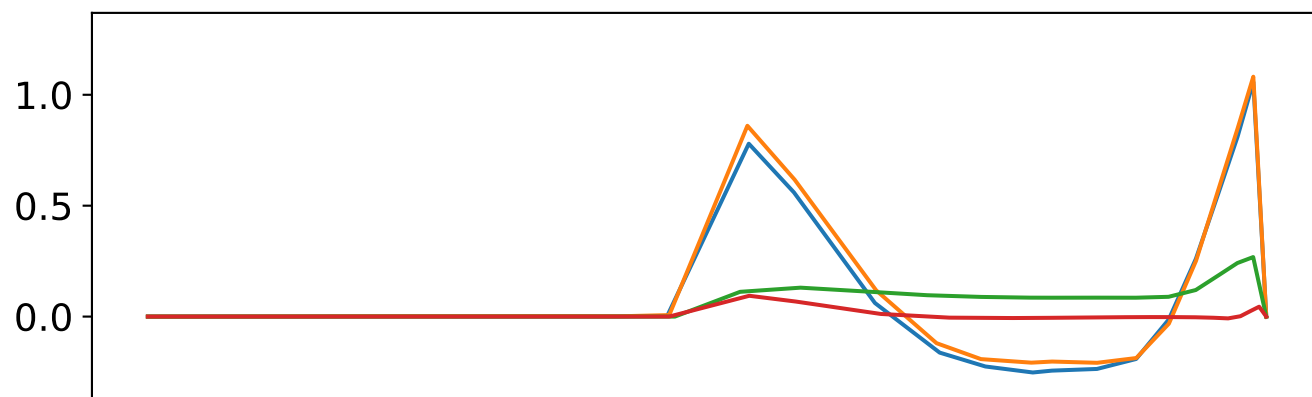
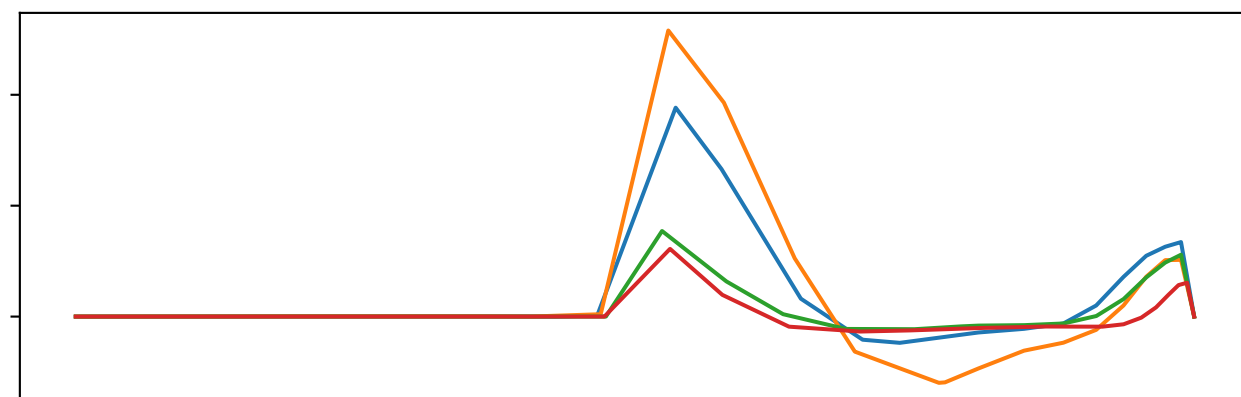


# Tangential Velocities - Varying Twist Sections

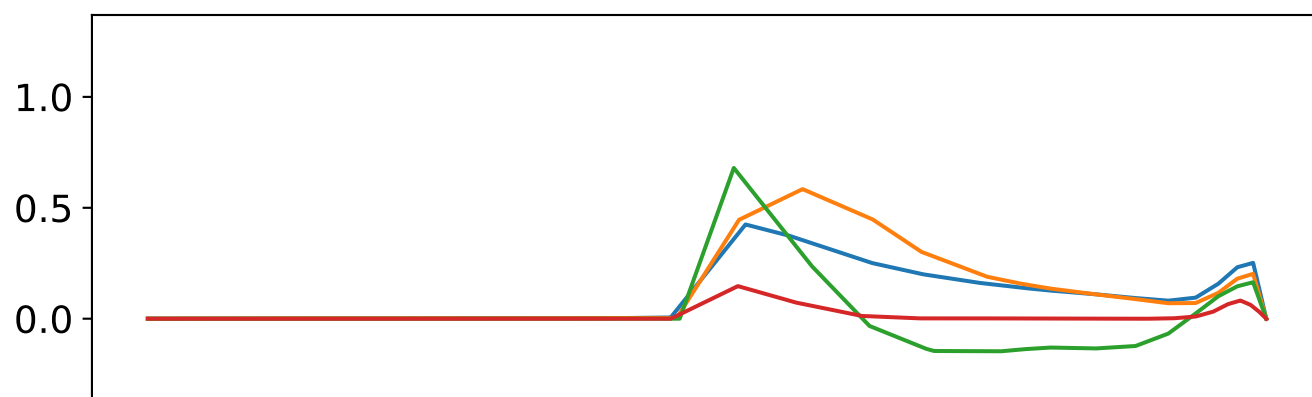
Line 1



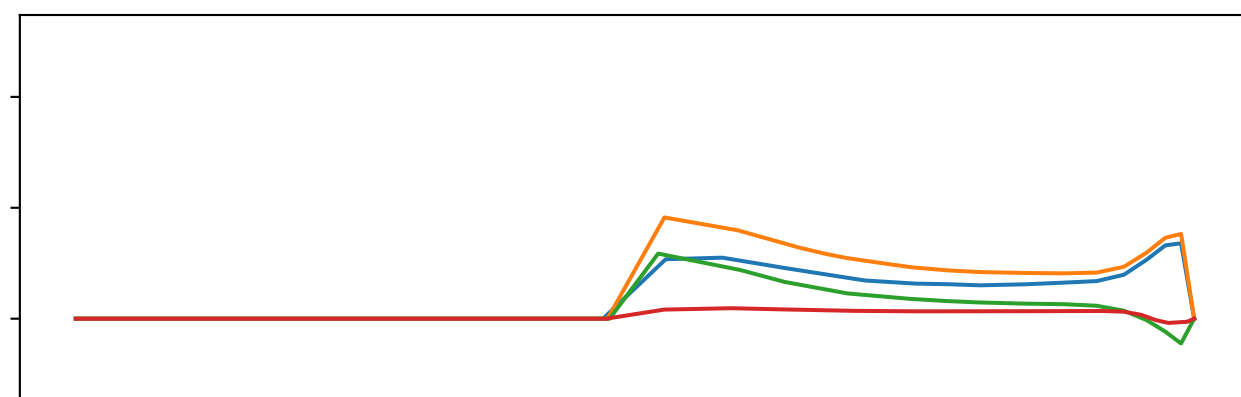
Line 2



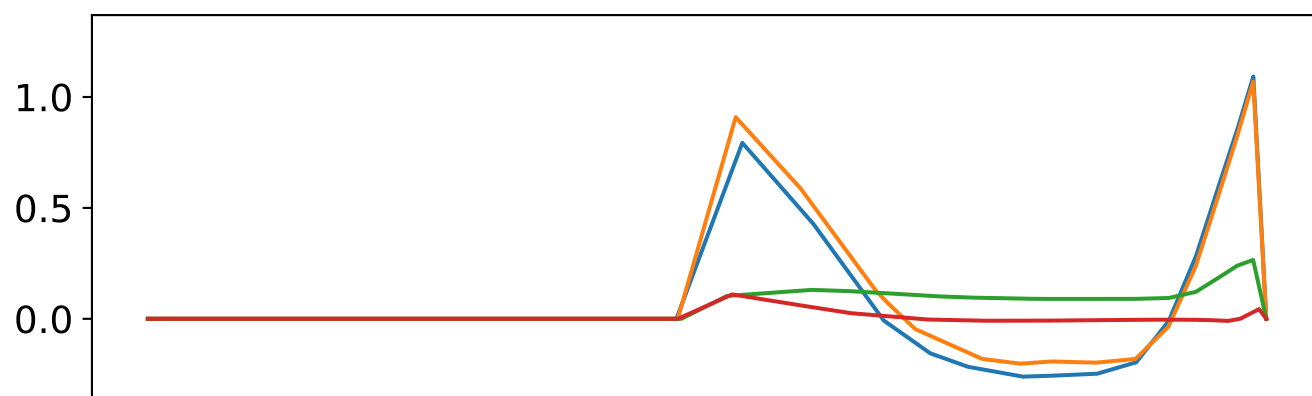
Line 3



Line 4



Line 5



- 5/16 turn with Quarter Turn insert
- 5/16 turn with 5/16 Turn insert
- QTTS with aggressive initial turn
- QTTS with tapered insert

Normalized distance from centre  $[r/r_{max}]$

Normalised velocity  $[v_i/v_{a,initial}]$