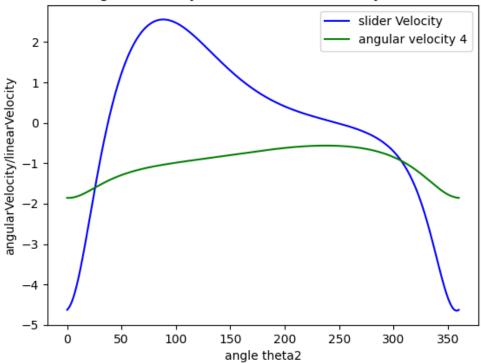
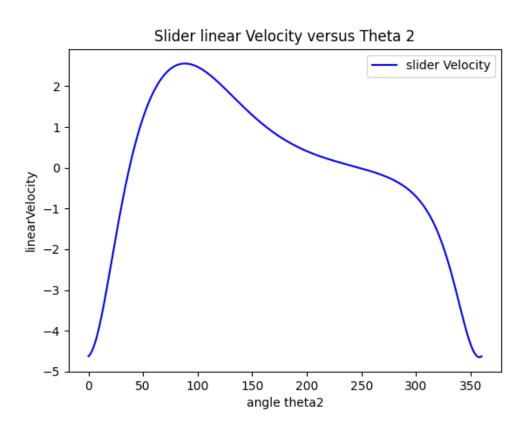
Unstrua Clearing jhr 2978 H/W3 prolim/a) B= 400+44= 1340 Initial position isn't possible, assuming I, is wrong: 0z=136° 1z= 0.105m l3 = 0.172m 03=73.60 Li= 0.243m. long = 0.30/m ly = 0.027m R2+R3-R,+R4=0 Re: 1, · (05 (136) + 1, · (05 0, + · )4 =0 , 0, = (05-1 (-14 -12(050)) = 74.510 In: 1, = 1, · 5m(136) + 1, · 5m 0, = 0.2413 m  $\frac{d}{dt} \left( \vec{R}_{2} + \vec{R}_{3} - \vec{R}_{1} + \vec{k}_{4} \right) = 0 \qquad \text{solve for } l$   $l_{2} j w_{2} e^{j O_{2}} + j l_{3} w_{3} e^{j O_{3}} - l_{1} j = 0$   $- l_{2} w_{2} \sin O_{2} - l_{3} w_{3} \sin O_{3} = 0, \quad w_{3} = - \frac{w_{2} l_{2} \sin O_{2}}{l_{3} \sin O_{3}}$ salve for lim terms of wz - lig + lz.jwz. (050, + lz.j. wz (050, =0 I = 12 · Wz · (05 Oz + 1/2 · - Wz 12 5 in Oz · (05 Oz As sin Oz A long we Fout 1, = 12. wz -cosoz - wz lz - 5m 0z-cos 03 Medaniral adantige = 12.000 02 - 12.5 in 02. - 14 = 1.000. Sh(cos-1 (-14-12000) mechanical advantage (1340) = 3.211

Link 4 Angular Velocity and Slider linear Velocity versus Theta 2





Slider linear Velocity versus linear Position

