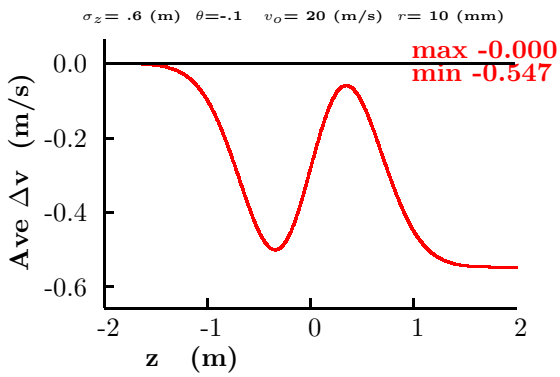
c)


$\sigma_z$= .6 (m) $\theta$=-.1 $v_o$= 20 (m/s) $r$= 10 (mm)
max -0.000
min -0.547
0.0
-0.2
-0.4
-0.6
Ave Δv (m/s)
-2
-1
0
1
2
z (m)