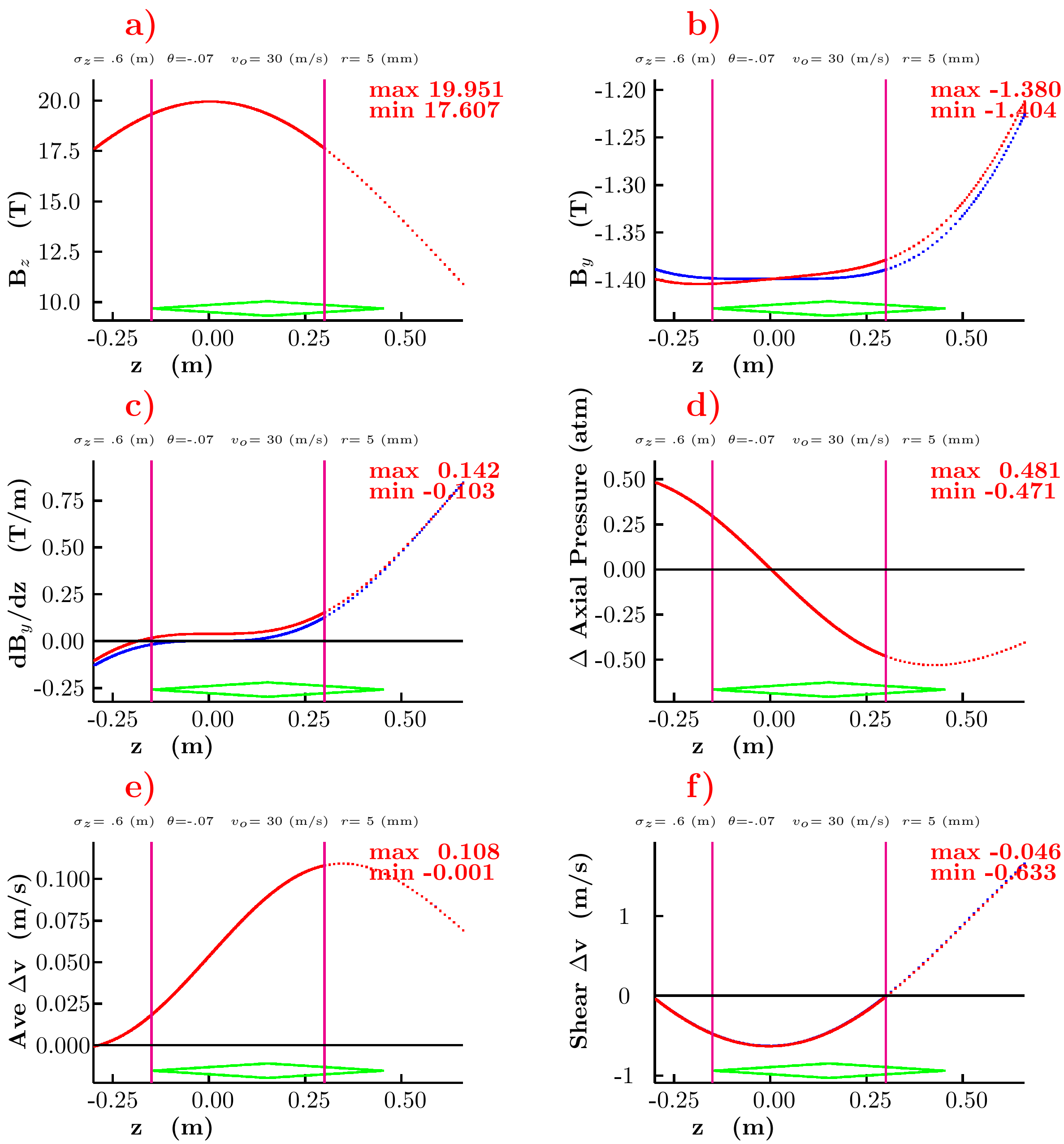
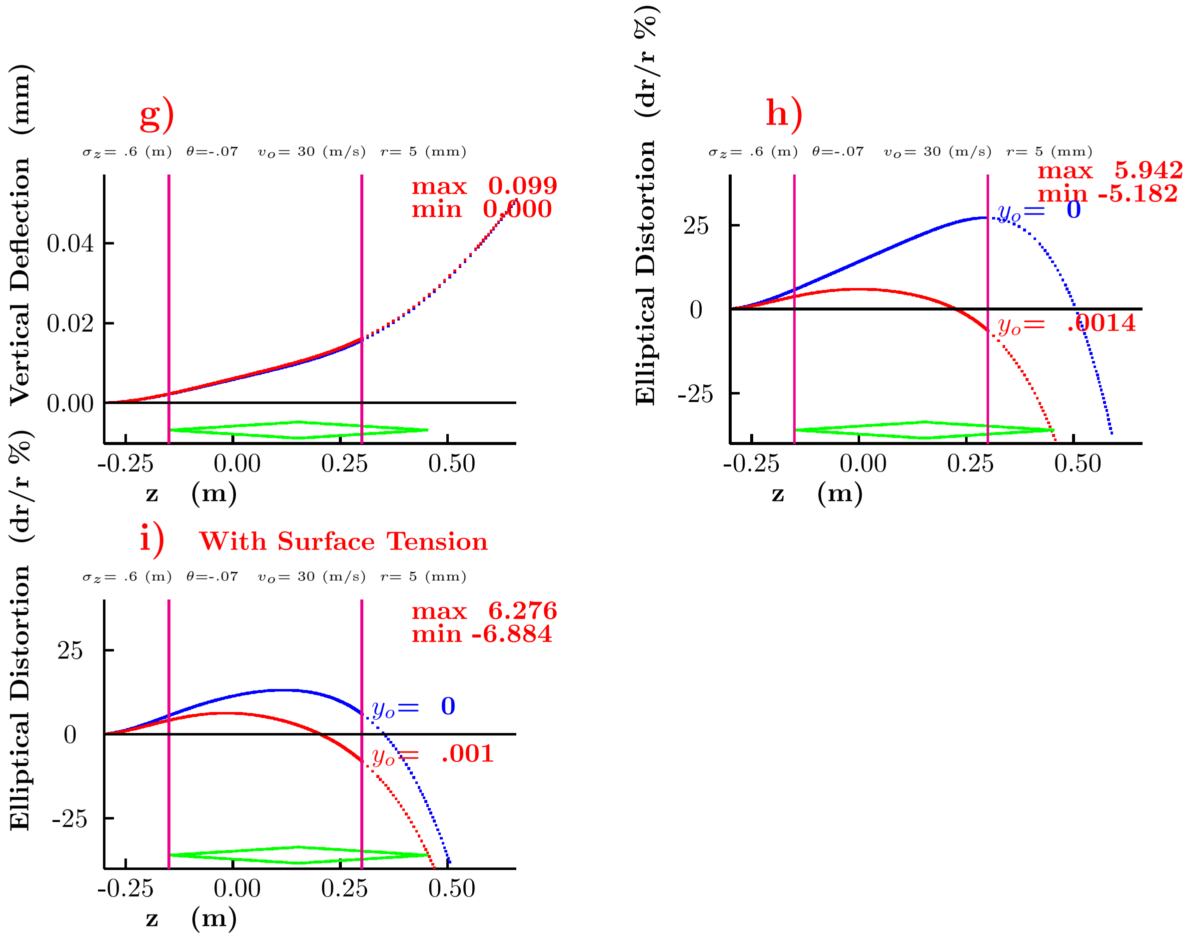

a)
σ_z= .6 (m) θ=-.07 v_o= 30 (m/s) r= 5 (mm)
max 19.951
min 17.607
B_z (T)
z (m)
b)
σ_z= .6 (m) θ=-.07 v_o= 30 (m/s) r= 5 (mm)
max -1.380
min -1.404
B_y (T)
z (m)
c)
σ_z= .6 (m) θ=-.07 v_o= 30 (m/s) r= 5 (mm)
max 0.142
min -0.103
dB_y/dz (T/m)
z (m)
d)
σ_z= .6 (m) θ=-.07 v_o= 30 (m/s) r= 5 (mm)
max 0.481
min -0.471
Δ Axial Pressure (atm)
z (m)
e)
σ_z= .6 (m) θ=-.07 v_o= 30 (m/s) r= 5 (mm)
max 0.108
min -0.001
Ave Δv (m/s)
z (m)
f)
σ_z= .6 (m) θ=-.07 v_o= 30 (m/s) r= 5 (mm)
max -0.046
min -0.633
Shear Δv (m/s)
z (m)



g)
σz= .6 (m) θ=-.07 vo= 30 (m/s) r= 5 (mm)
Vertical Deflection (mm)
max 0.099
min 0.000
0.04
0.02
0.00
-0.25
0.00
0.25
0.50
z (m)
h)
σz= .6 (m) θ=-.07 vo= 30 (m/s) r= 5 (mm)
Elliptical Distortion (dr/r %)
max 5.942
min -5.182
yo= 0
yo= .0014
25
0
-25
-0.25
0.00
0.25
0.50
z (m)
i) With Surface Tension
σz= .6 (m) θ=-.07 vo= 30 (m/s) r= 5 (mm)
Elliptical Distortion (dr/r %)
max 6.276
min -6.884
yo= 0
yo= .001
25
0
-25
-0.25
0.00
0.25
0.50
z (m)