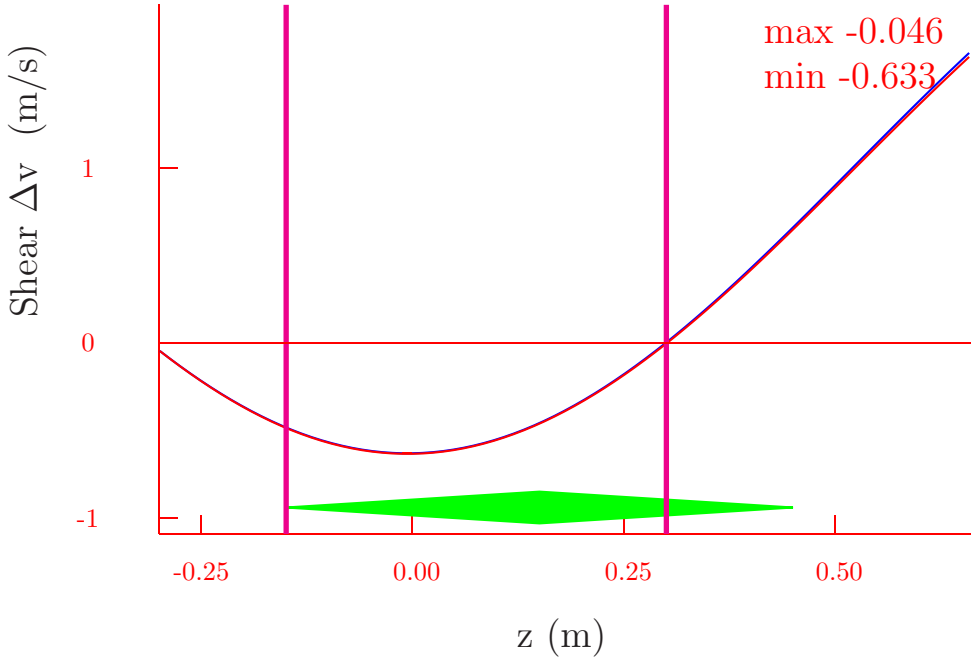
f)

σ_z= 0.6 (m) θ=-0.07 v_o= 30 ($\frac{m}{s}$) r= 5 (mm)