



Figure 2.5: Static Potentials from the rod electrodes

The size of the grid in the XY plane is 1mm X 1mm. a) Contour plot of the potential for  $\pm 100$  volts on diagonal electrodes. b) Surface plot of the potential c) Zoomed near the trapping region. this is fairly hyperbolic d) Zoomed in surface plot, this looks much like the saddle potential in figure 2.1