Finite element analysis – Problem Sheet 1

1. Find the potential and electric field at the point (0.4,0.3) in the trough shown in Figure 1, if d= 1.6m, b=1.2m and V_o =100V

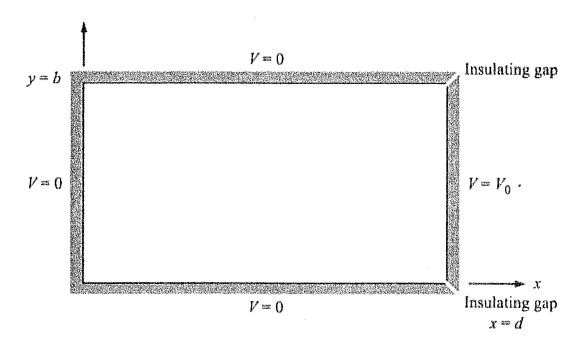


Figure 1

- 2. Plot a graph of the variation in the voltage along a path from (0,0.6) to $(1.6,\,0.6)$
- 3. Solve the problem my representing and meshing only half the trough.