

Figure 17-5

1) Place the red lead around perimeter of spacer (DMM value here is relatively low)

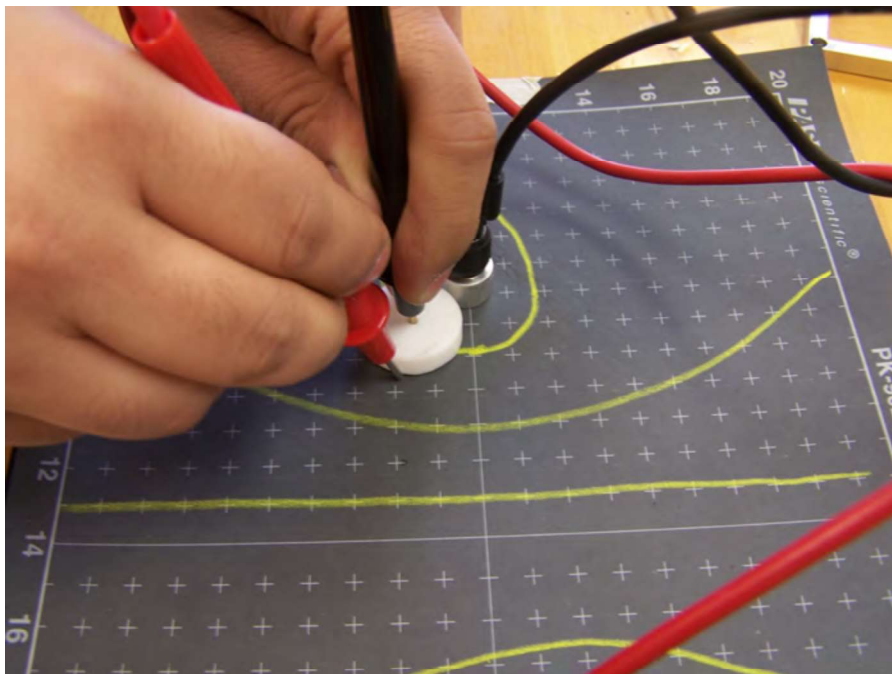


Figure 17-6

- 2) Move lead around perimeter of spacer until you find the maximum value.
- 3) Punch a small indentation with red lead.
- 4) Move spacer so that black lead is in the indentation above & repeat process
(i.e., find new maximum value using red lead)

Repeat above steps until you reach other pole.

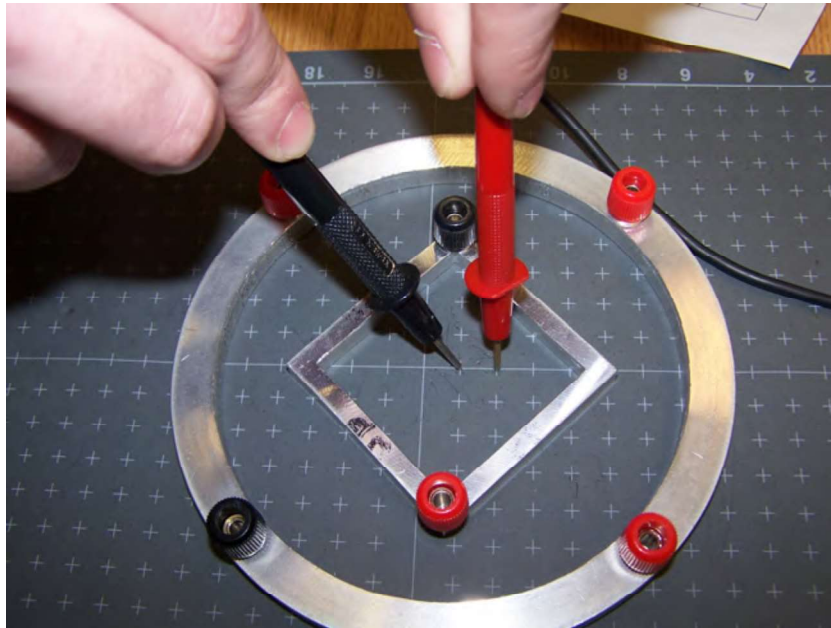


Figure 17-7 Measuring electric field inside of conductor

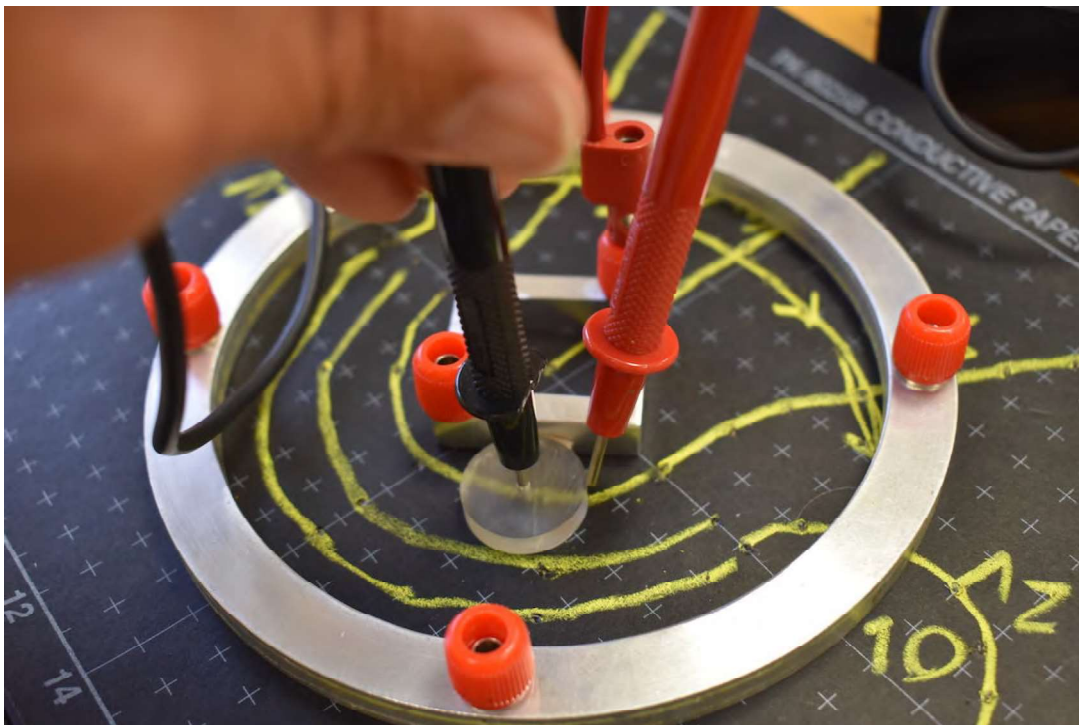


Figure 17-8 Determining orientation to measure zero electric field (Start like above and rotate spacer until DMM reads zero voltage & note orientation)

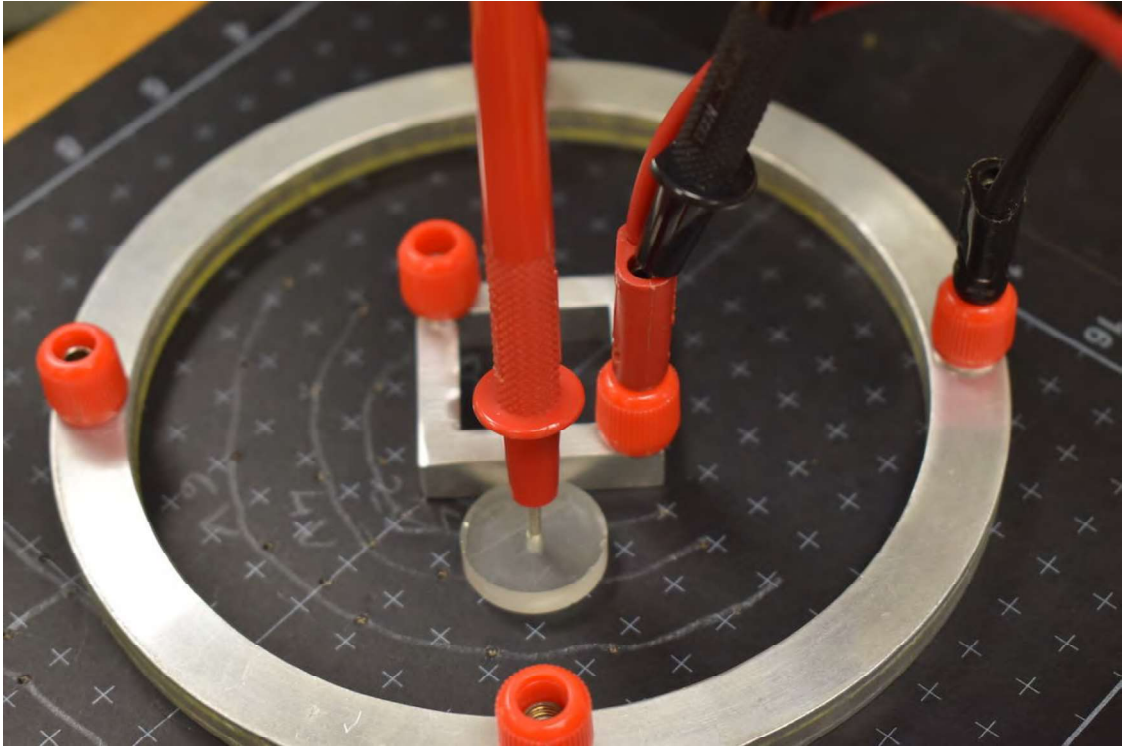


Figure 17-9 Measuring electric field at a zero curvature surface

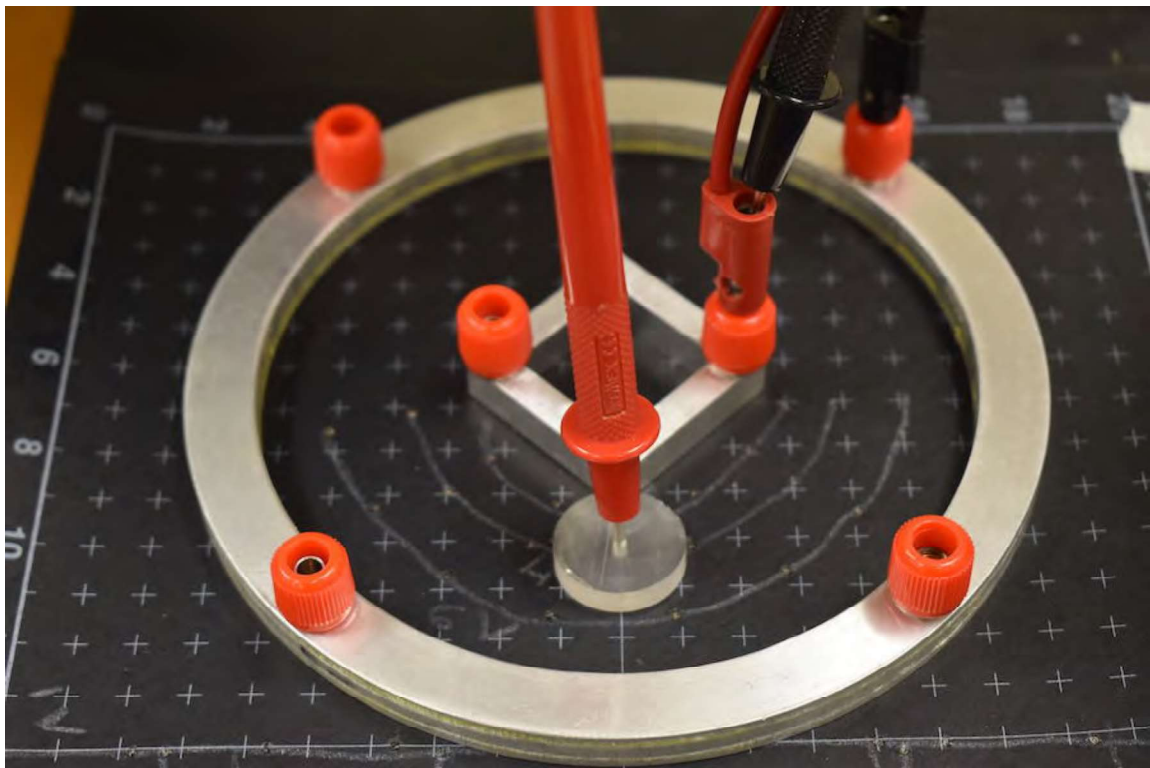


Figure 17-10 Measuring electric field at a pointed (i.e., a non zero curvature) surface