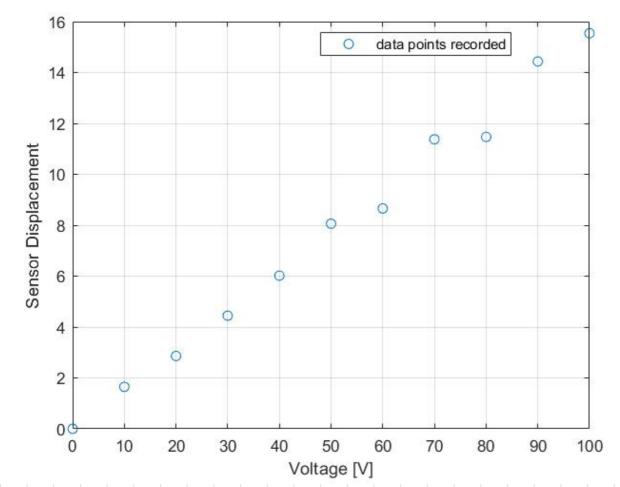
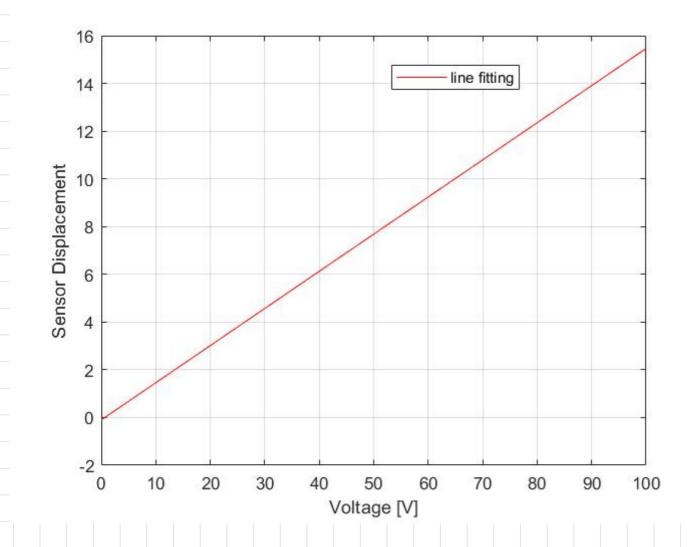
- a) G = 0.1556 Nm/v
- b) Plot of slata paints

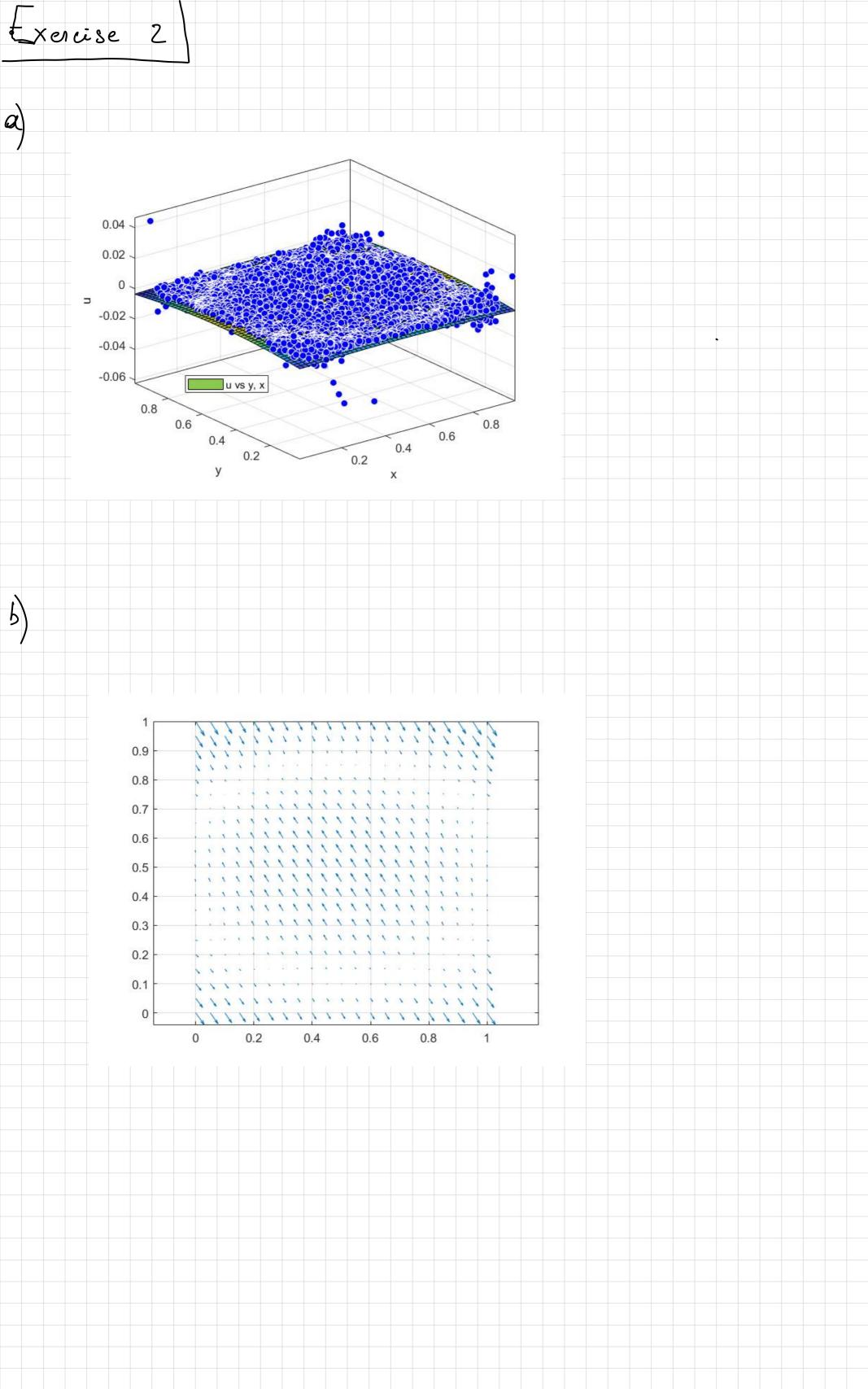


C) Plot of Pitted Junction for VE [0,100]



d) Estimation of de when the voltage is 75 V.

d = 11.5731



a) 
$$y = k_1 \times k_2$$
  $\Longrightarrow ln(y) = ln(k_1) + k_2 ln(x)$ 

c) After testing for a 1st, 2nd and 3rd degree polymonial it can be seen that as the polymonial degree increases, aslo the SSE does. Therefore the best option is to choose a first degree polymonial, or it had the lowest SSE value (145.425)

## Exercise 4)

- a) see Hatlab script
- b) see Hatlab script

