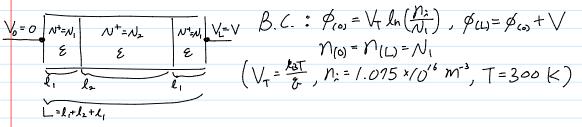
HW 16.

Thursday, November 5, 2020 4:34 PM

20/84060 Jicheol Kim



\* Newton method 3 HW15. 4 20 0 (x), N(x)= 724.

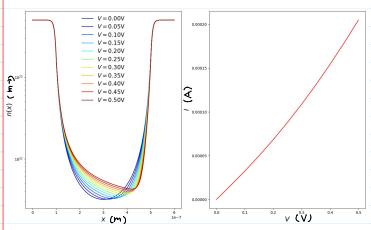
Current 
$$I = J(0) \cdot A = g \cdot M \left[ n \frac{d \cdot B}{d \cdot x} - V_T \frac{d \cdot n}{d \cdot x} \right] \cdot A$$
 where  $A = 20729$ ,  $M = mobility$ .

→ I vs. V graph 글 보자.

Results.

M=1500 cm²/1.5, E=11.7 Eo, l= 6, l= 4L, N=5×102 m-3, N=2×102 m-3

i) Long structure : L= 600 nm, spacing | nm



ii) Short structure: L=60 nm, spacing 0.1 nm

