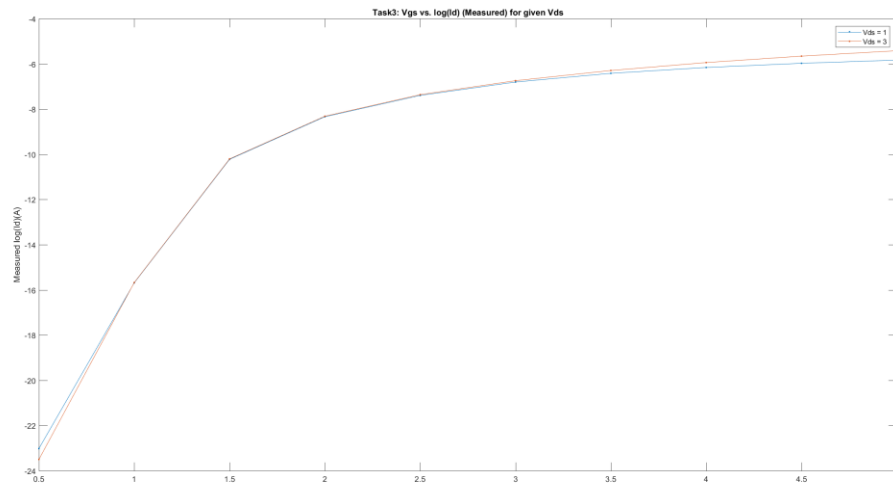


Task7 Plotting part

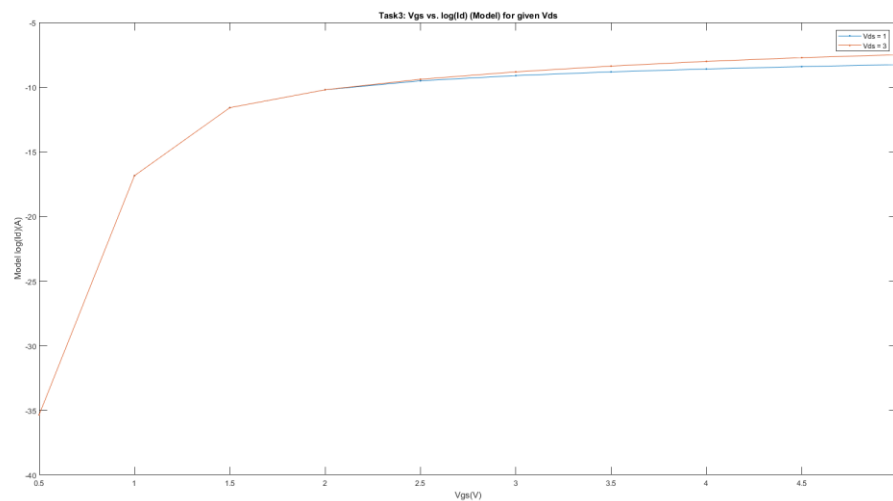
For Task 3 with the quasi-Newton method, generate the plots of $\log(I_D)$ vs. V_{GS} with two V_{DS} , and I_D vs. V_{DS} with the 10 values of V_{GS} for both $I_{Dmeasured}$ and I_{Dmodel} .

1. Plots of $\log(I_D)$ vs. V_{GS} with two V_{DS}

$I_{Dmeasured}$



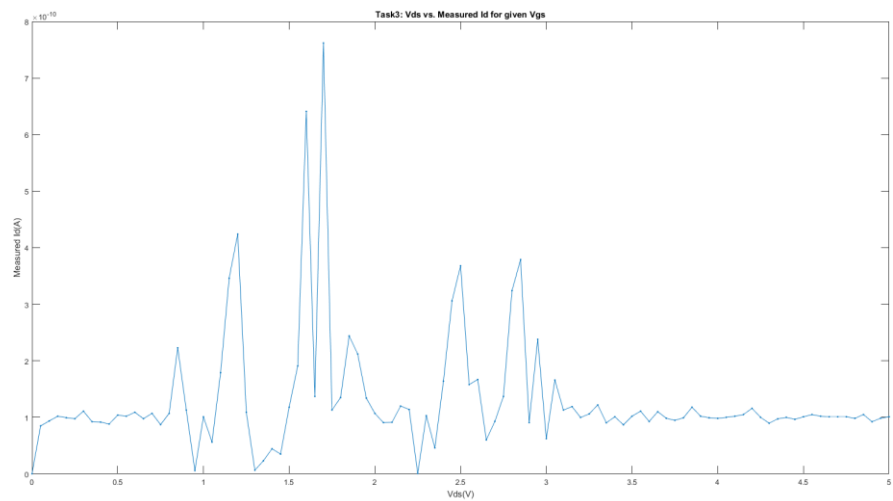
I_{Dmodel}



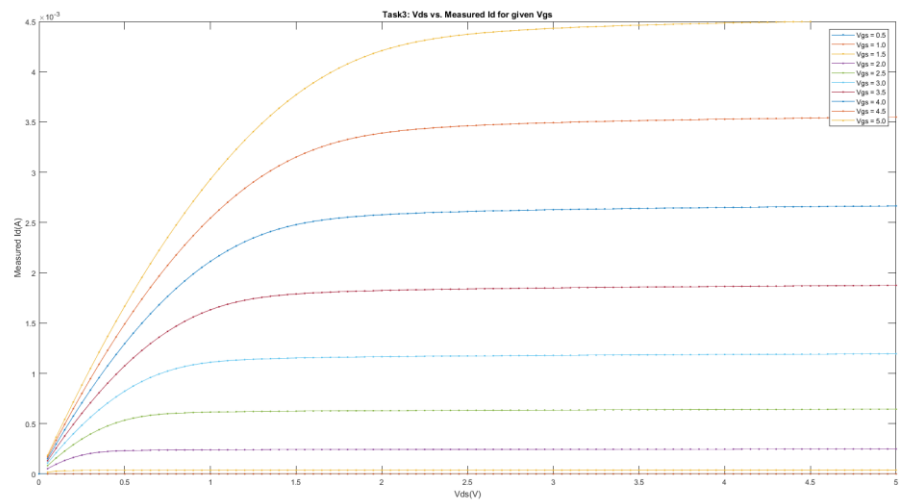
2. Plots of I_D vs. V_{DS} with the 10 values of V_{GS}

(1) Non-normalized

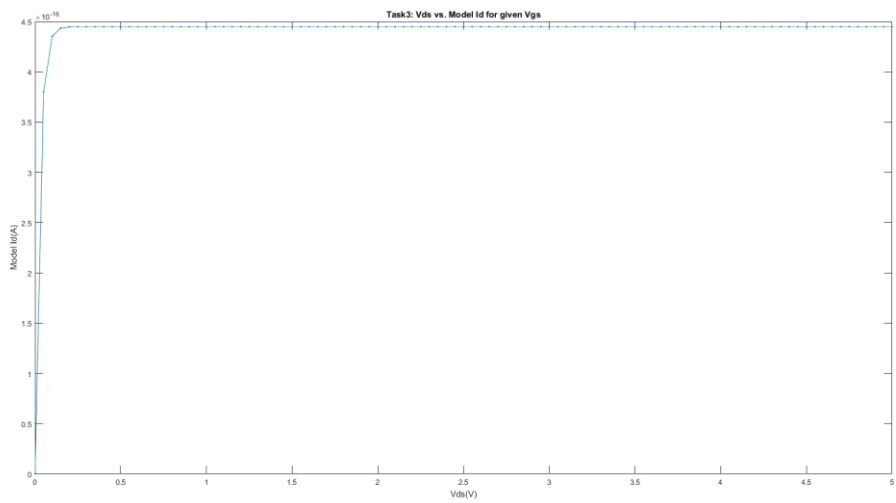
$I_{Dmeasured} \quad V_{GS} = 0.5$



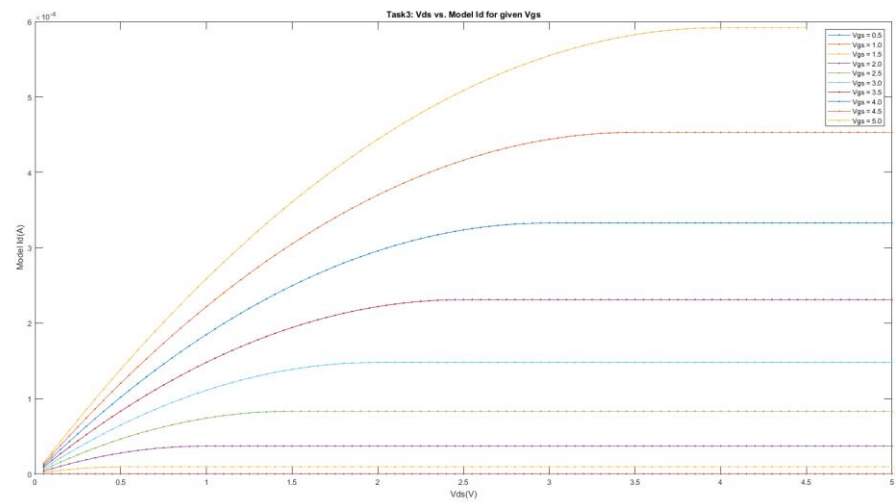
$I_{Dmeasured} \quad \text{All}$



I_{Dmodel} $V_{GS} = 0.5$

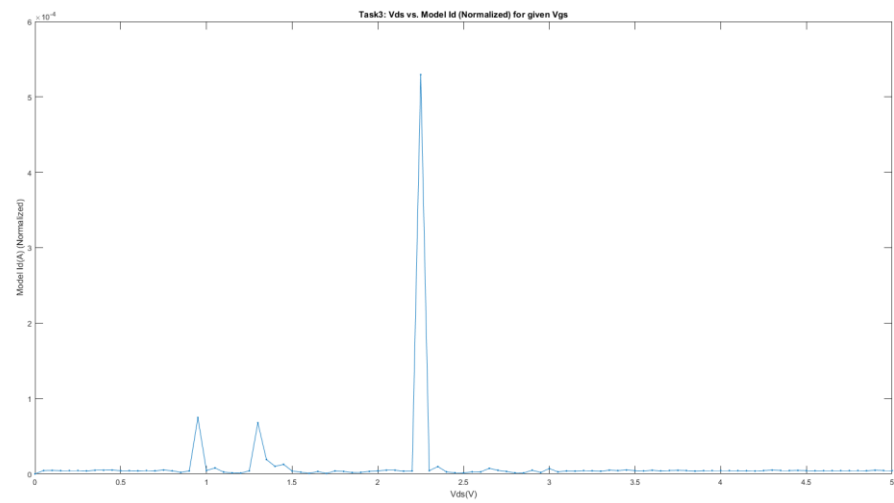


I_{Dmodel} All



(2) Normalized

I_{Dmodel} $V_{GS} = 0.5$



I_{Dmodel} All

