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Charge Transfer in Charge Coupled Devices
Thesis by Yoshiaki Daimon-Hagihara

California Institute of Technology
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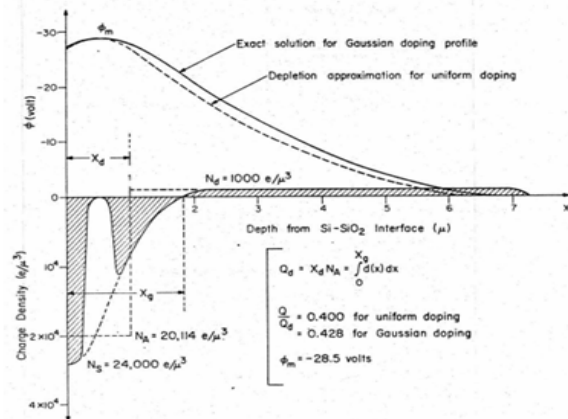


Fig. 1.17 The potential profiles ϕ by the depletion approximation and the exact numerical solution of the Gaussian doping profile are compared. $X_d=1.0\mu$ and the p-layer doping N_A of $20,000e/\mu^3$.

Chapter One

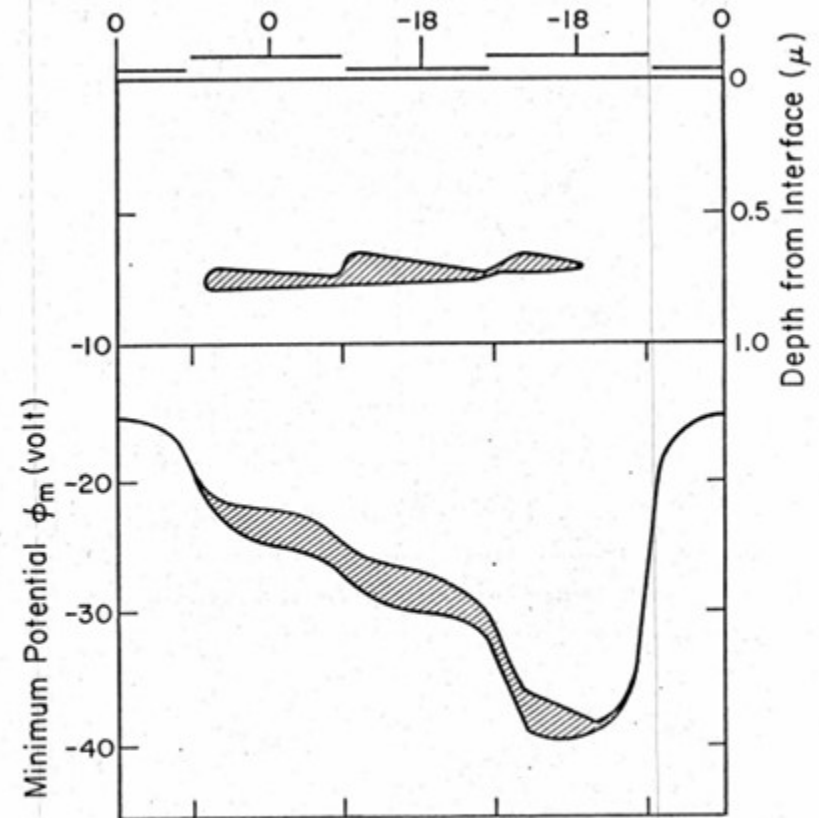


Fig. 4.14 The physical location of the charge packet in the p-layer is shown in the upper figure. The lower figure is the minimum potential with signal charge present.