

EE 421 / ECG 621

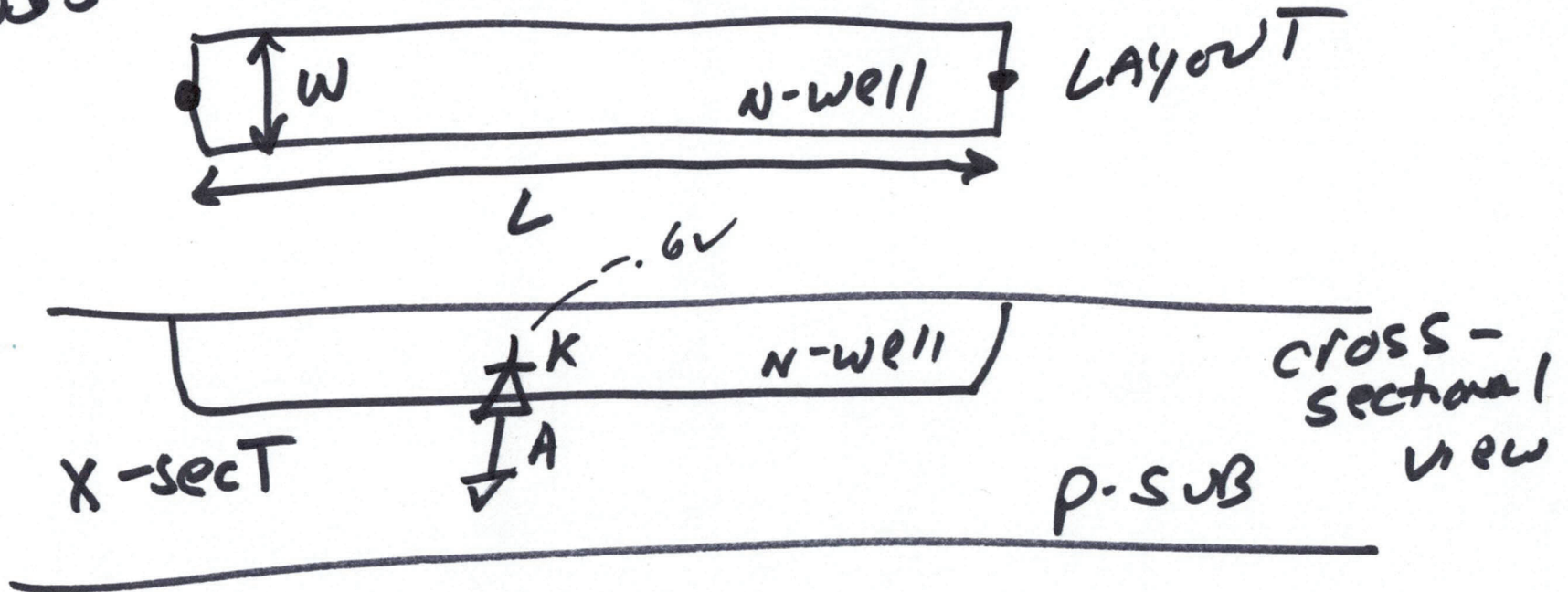
Digital IC Design

Lecture 3

Sept. 6, 2023

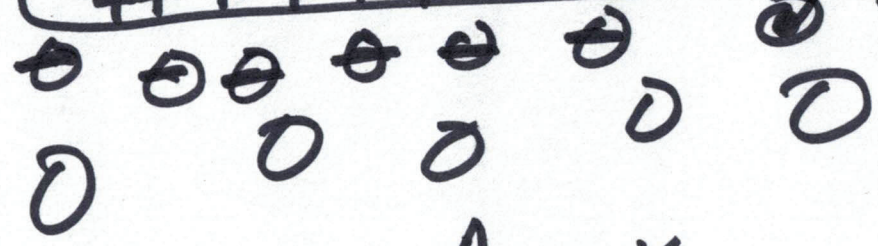
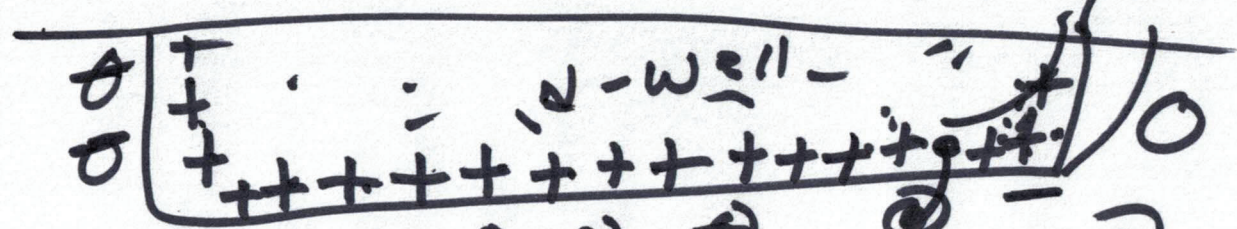
$$R = R_{\square} \cdot \frac{L}{W}$$

855



1)

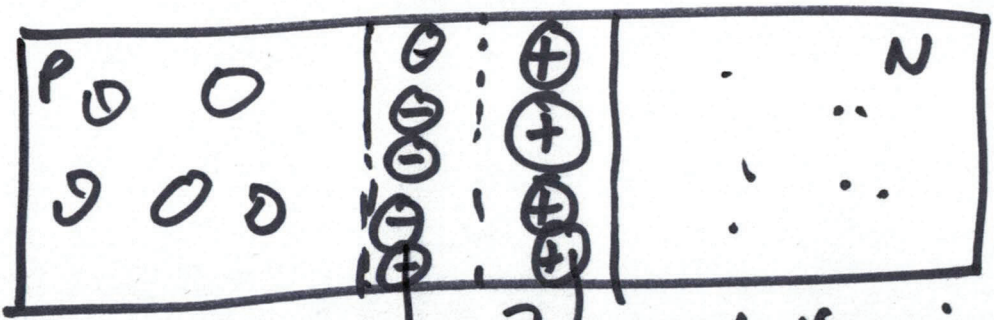
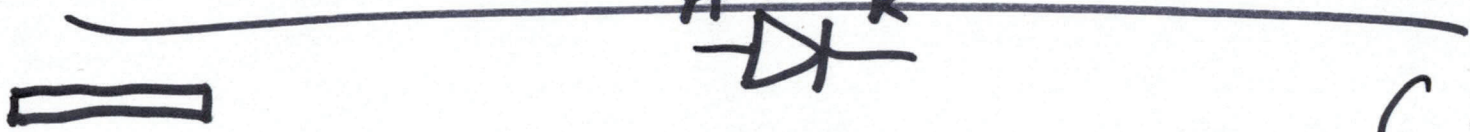
SPACE CHARGE
Region
depletion



p-type

$$C = \frac{\epsilon \cdot A}{t}$$

dielectric



metallurgical
junction



2)