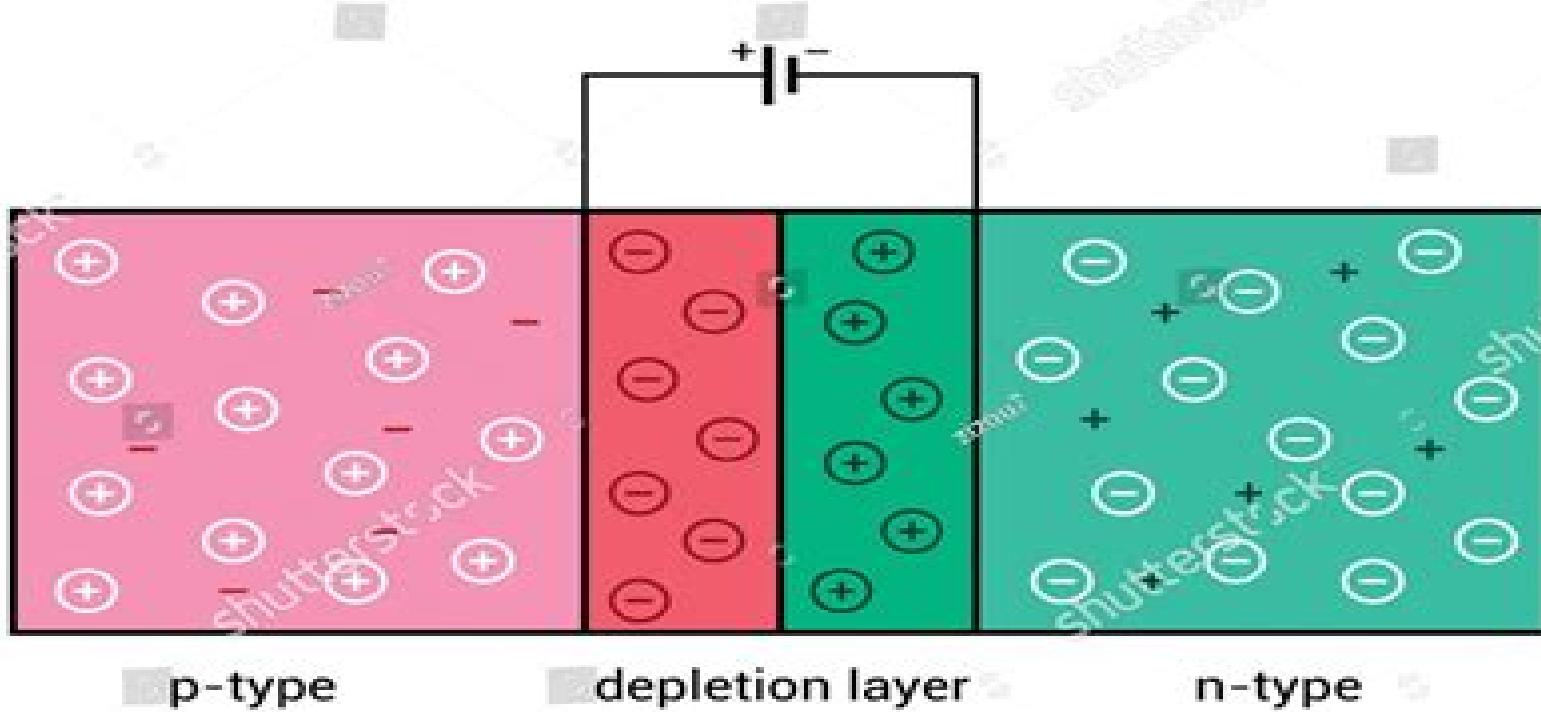


# P-N junction



# The Pn Junction Diode

**Darrell Lee Vines, Texas Technological College. School of Engineering, Texas Technological College. Solid State Electronics Laboratory**

## **The Pn Junction Diode:**

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Variable Capacitor in Automatic Frequency Control Systems Joseph Edward Essman,1961      **The Fabrication of a Diamond PN Junction Diode** Michael R. Thomas,1998      **Comparison of the Detectivities of a P-N Junction Diode and a Schottky Internal Photoemission Diode Under Background-Limited Conditions** David H. Seib,AEROSPACE CORP EL SEGUNDO CALIF LAB OPERATIONS.,1972 The background limited detectivities of ideal Schottky internal photoemission diodes and p n junction diodes are compared over the wavelength range 1 to 10 micrometers The Schottky internal photoemission diode is found to have a detectivity one to two orders of magnitude less than the p n junction device The detectivities of the two detectors under nonbackground limited conditions are also compared and a brief discussion of the functional form of the quantum yield for the Schottky device is given Author      **Paynter's Introductory Electronic Devices & Circuits** ,1994      *Solutions Manual to Accompany Volume II The PN Junction Diode* Gerold W. Neudeck, Second Edition, Molecular Series on Solid State Devices ,1989      *Preparation of P-N Junction Diode Using Alloy Method* Khairul Ariffin Muhammad,2010      **A P-N Junction Diode as a Nonlinear Circuit Element** Albert Allen Wolf,1960

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