

















## TEXAS

## Lecture 6: What have we learned?

- How are p-n junctions typically formed?
- What is drift current? Diffusion current?
- Define "depletion region" (space charge region)
- Why does a p-n junction form a depletion region?
- Why does a p-n junction have a built-in voltage?
- Be able to calculate the p-n junction built-in voltage and depletion width

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