

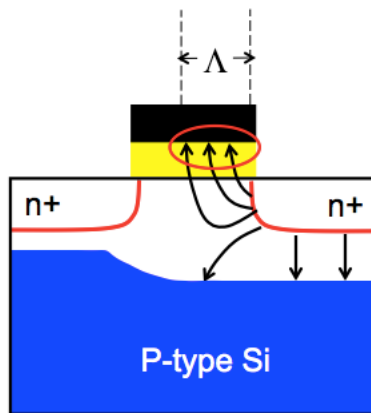
## Essentials of MOSFETs

### Lecture 3.8: 2D Electrostatics

#### Short Problem

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The figure below illustrates a “well-tempered MOSFET” (i.e. one for which the deleterious effects of 2D electrostatics are minimal).



- 1) Show how this figure would change if the MOSFET were punched-through.