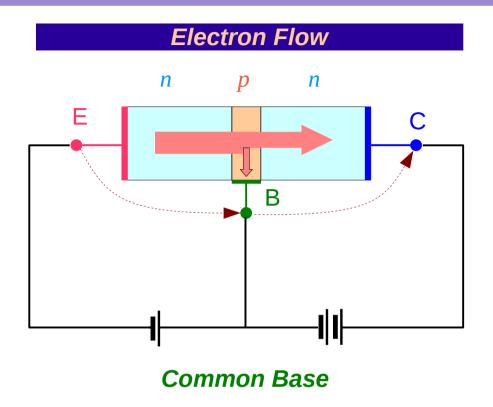
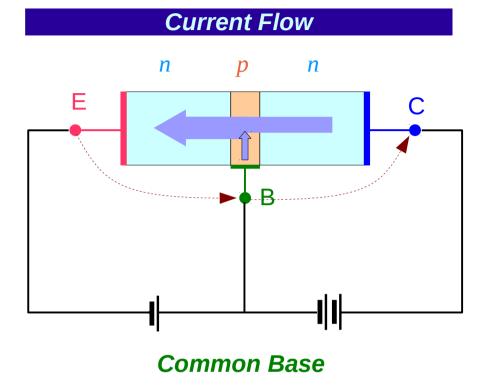
BJT Bias

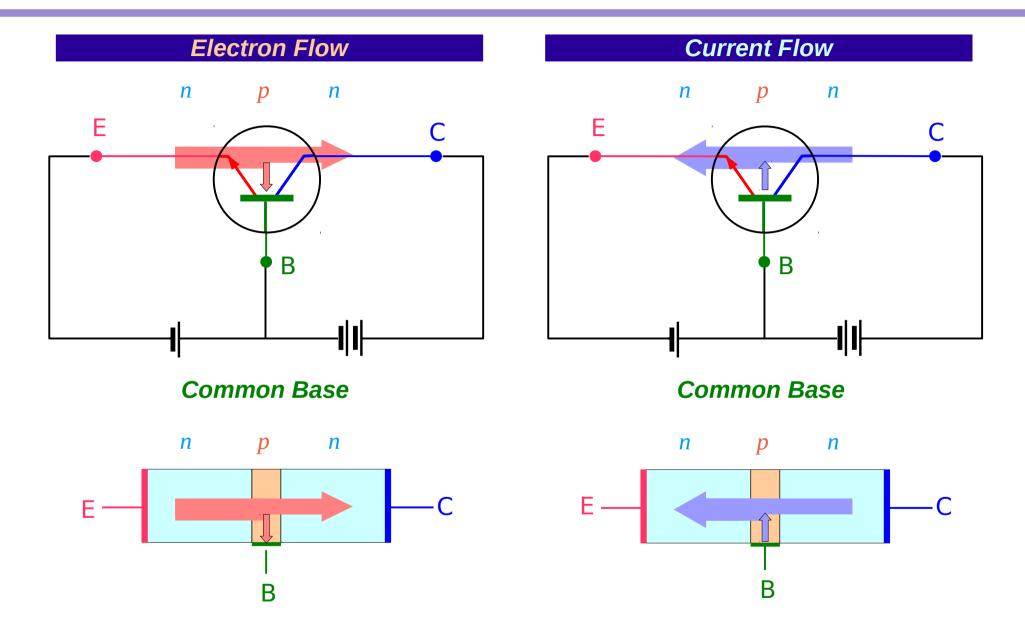
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Common Base (1)



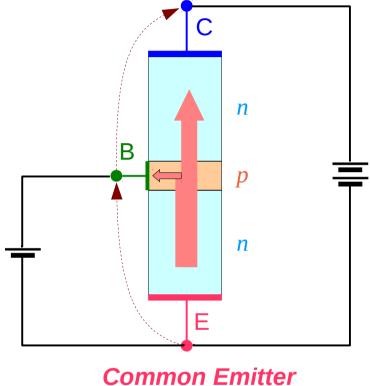


Common Base (2)

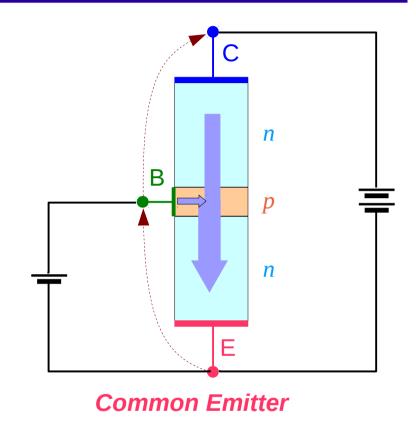


Common Emitter (1)

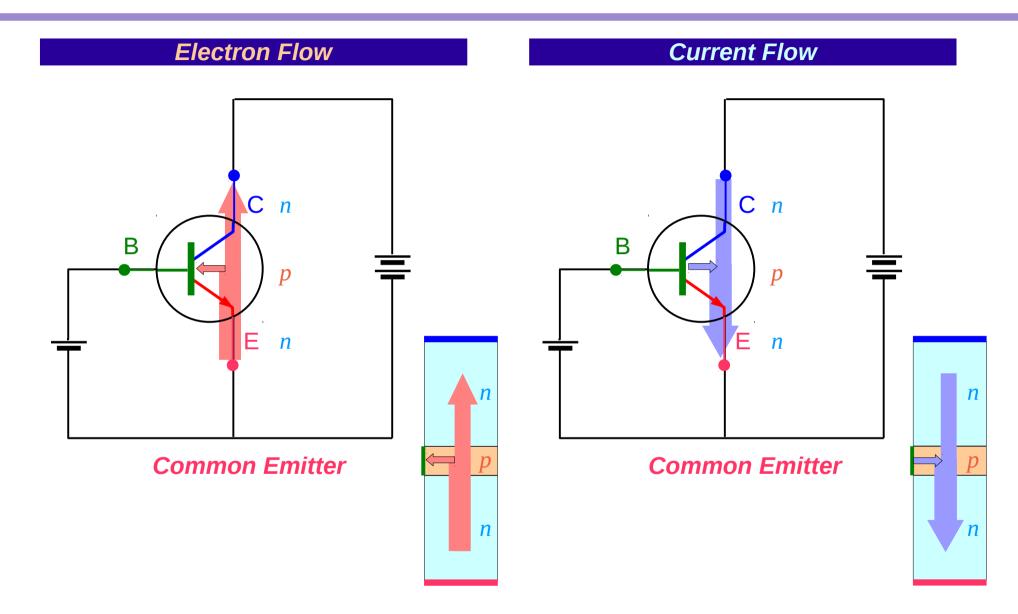
Electron Flow



Current Flow

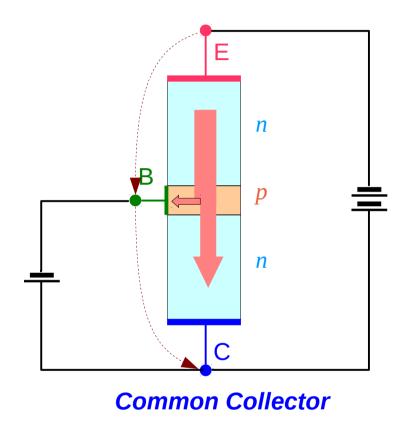


Common Emitter (2)

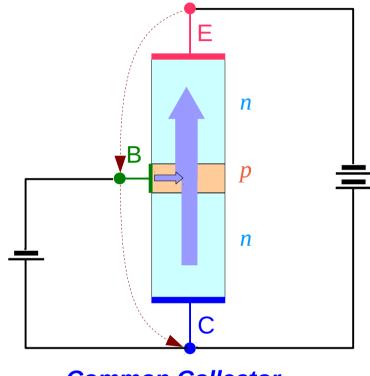


Common Collector (1)

Electron Flow

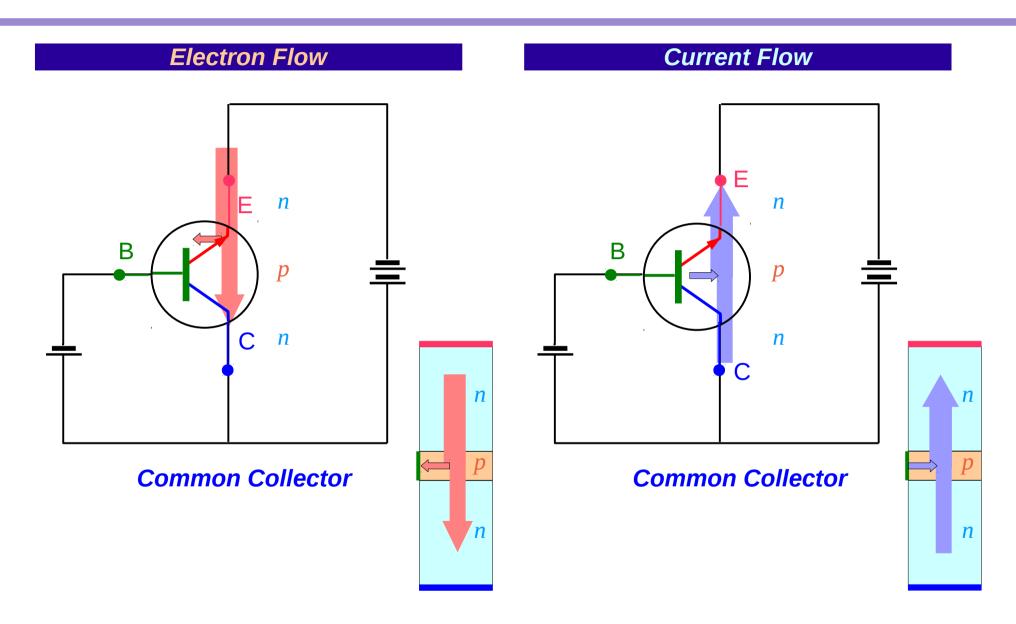


Current Flow

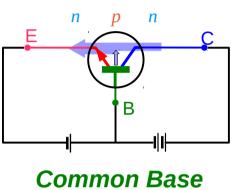


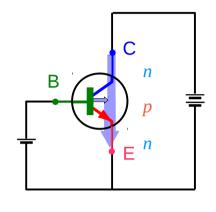
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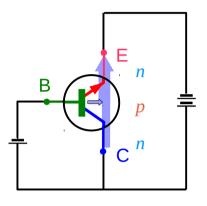
Common Collector (2)



BJT Bias

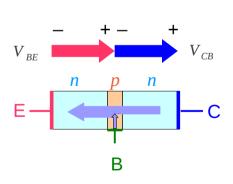


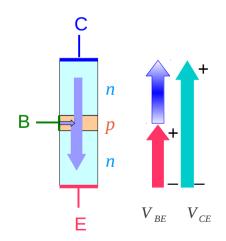


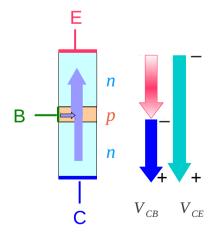


Common Emitter

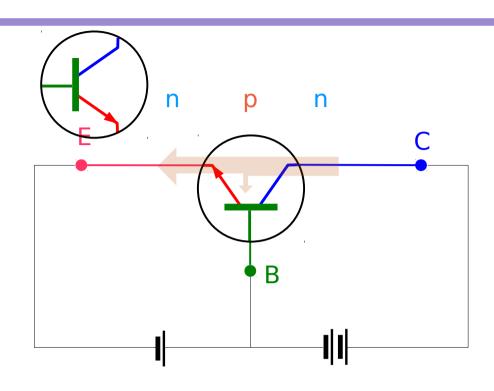
Common Collector



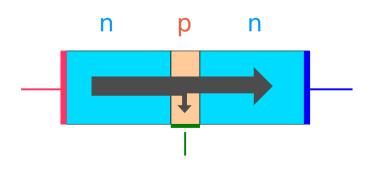




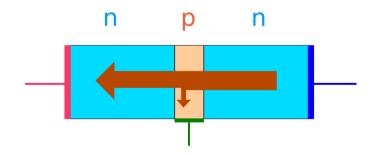
Common Emitter (2)



Electron Flow

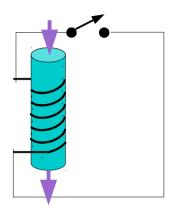


Current Flow

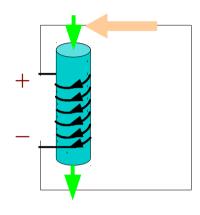


Maintain Magnetic Field

Before

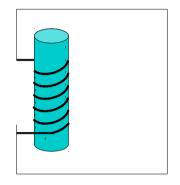


Initial



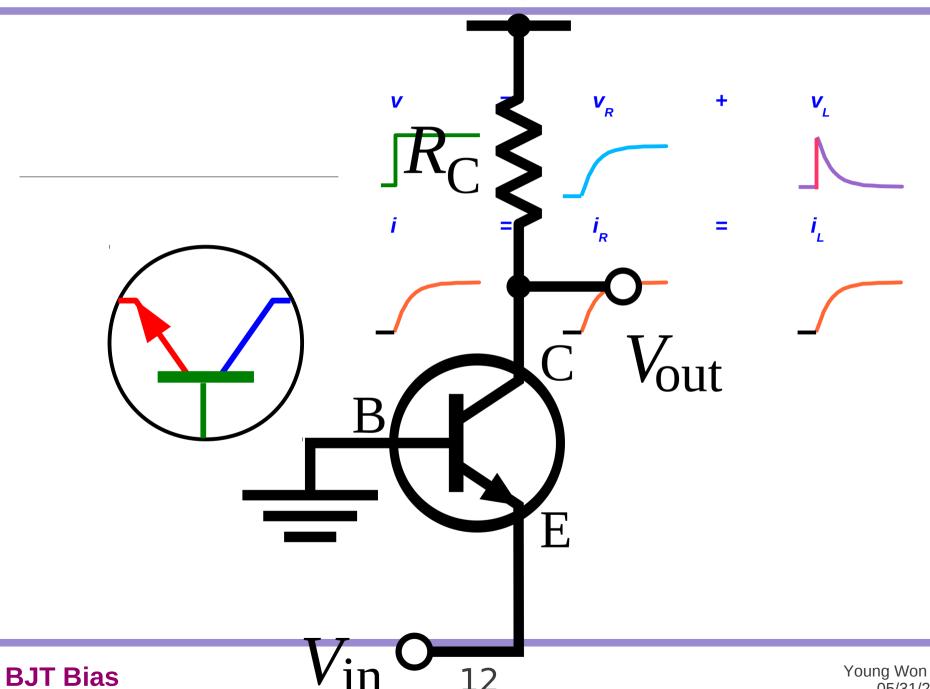
Induced EMF

Final



No Energy in magnetic field

Storing Magnetic Energy V_+



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References

- [1] http://en.wikipedia.org/
- [2] J.H. McClellan, et al., Signal Processing First, Pearson Prentice Hall, 2003