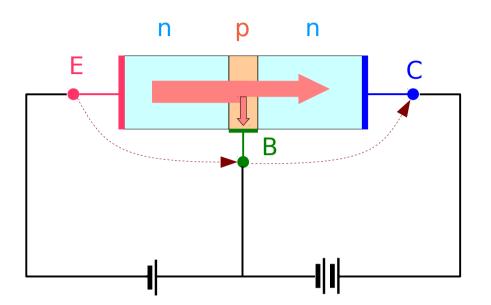
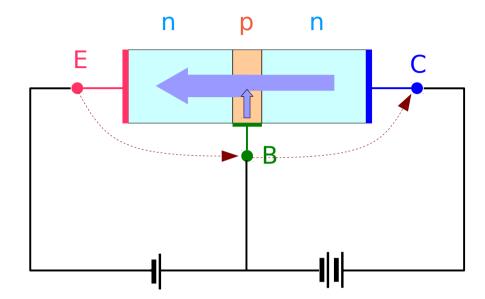
BJT Bias

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Please send corrections (or suggestions) to youngwlim@hotmail.com.
This document was produced by using OpenOffice and Octave.

Common Base (1)

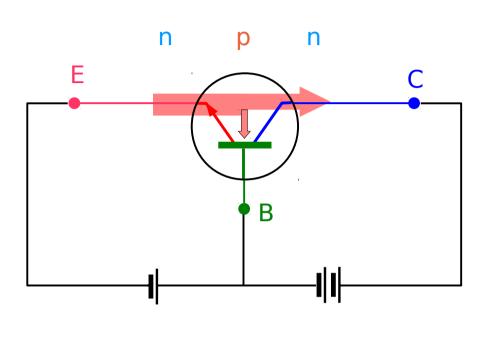


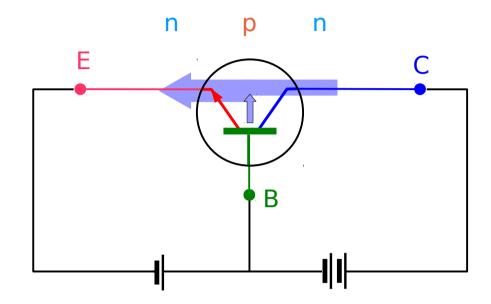


Electron Flow

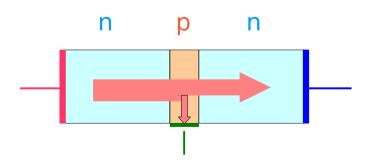
Current Flow

Common Base (2)

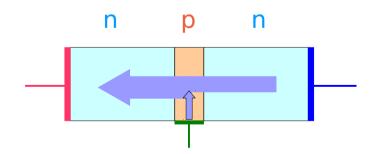




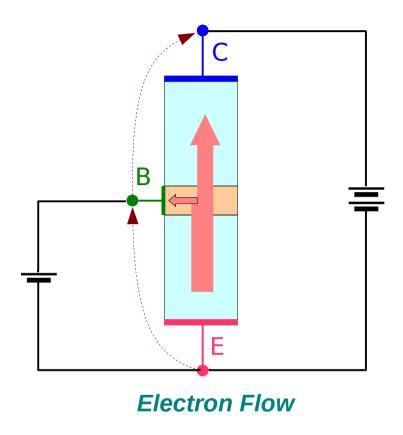
Electron Flow

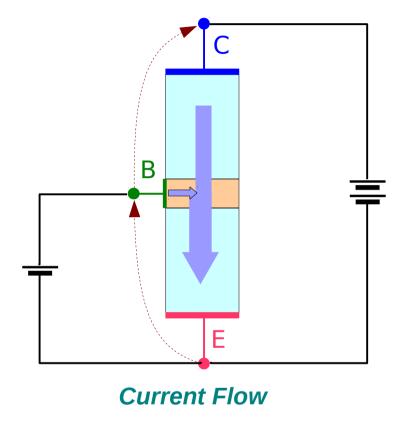


Current Flow

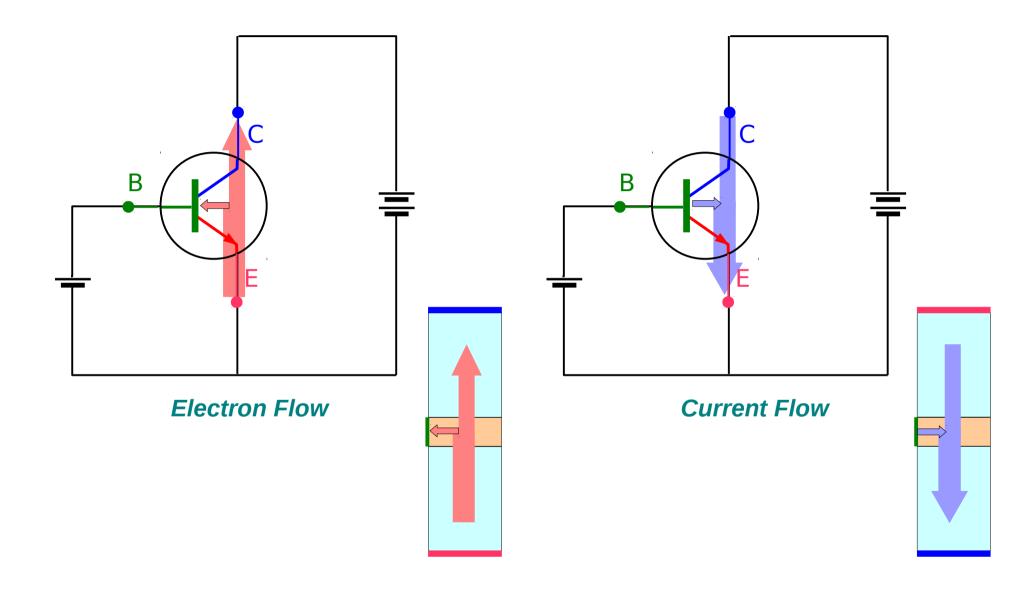


Common Emitter (1)

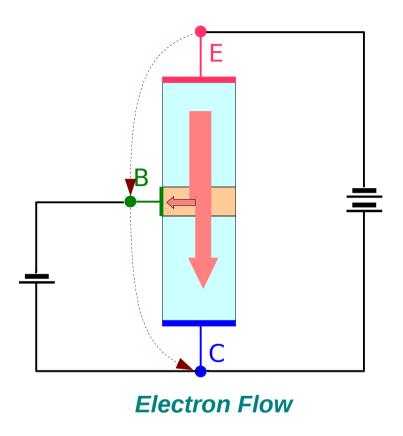


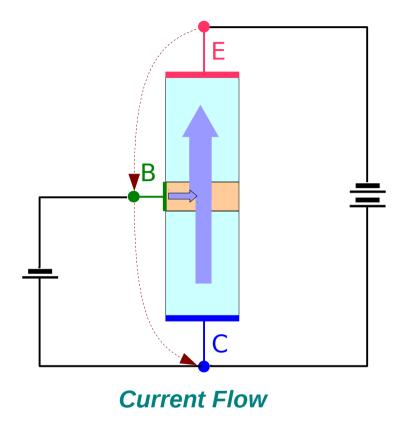


Common Emitter (2)

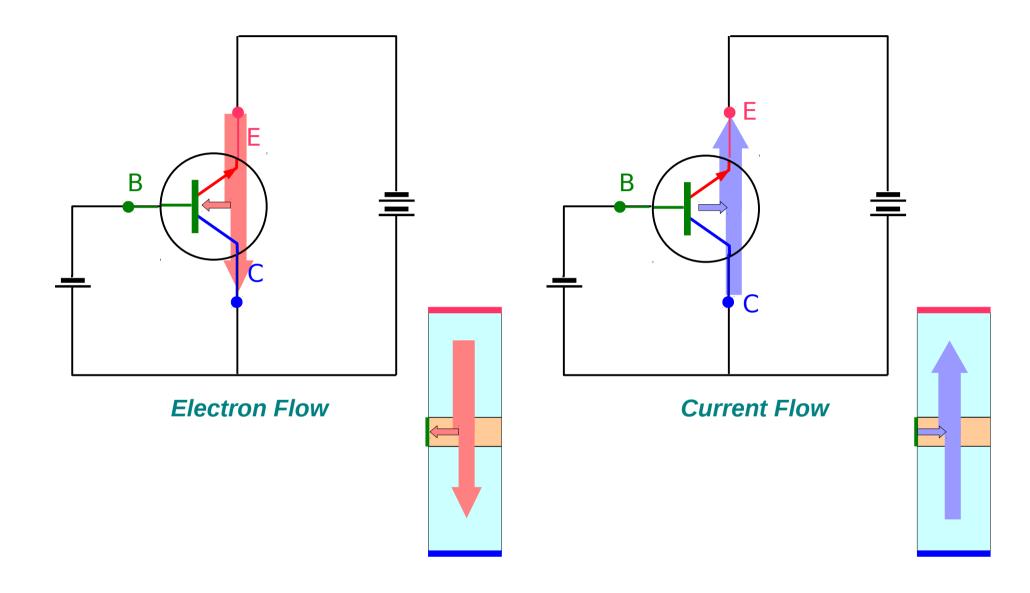


Common Collector (1)

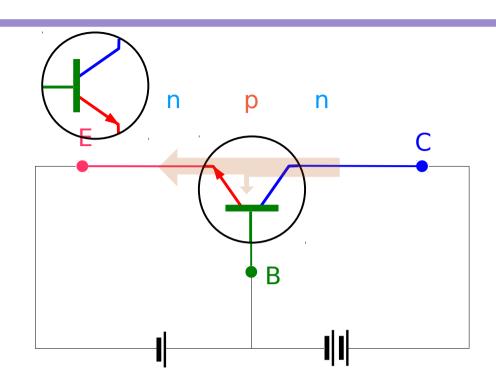




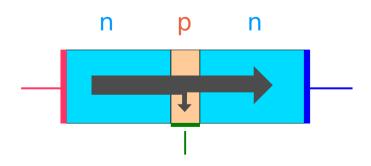
Common Collector (2)



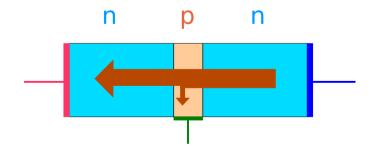
Common Emitter (2)



Electron Flow

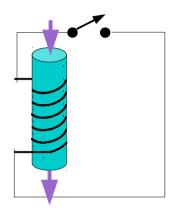


Current Flow

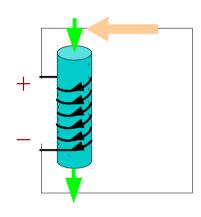


Maintain Magnetic Field

Before

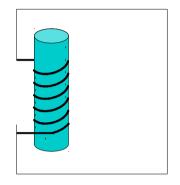


Initial



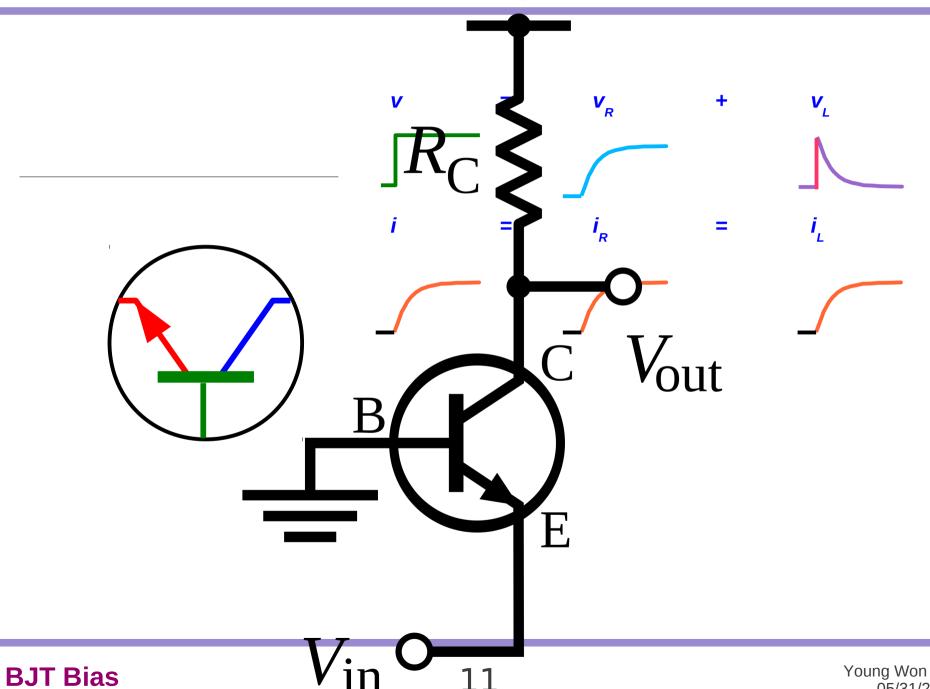
Induced EMF

Final



No Energy in magnetic field

Storing Magnetic Energy V_+



Young Won Lim 05/31/2012

References

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