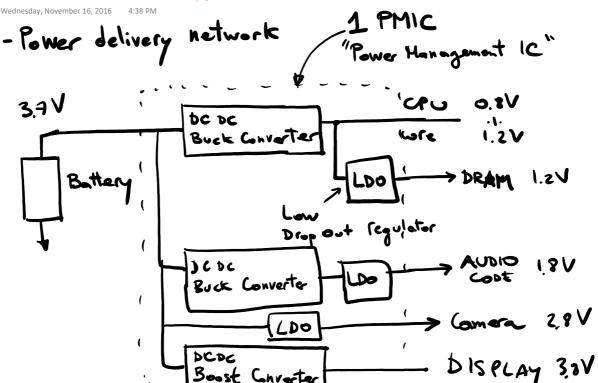
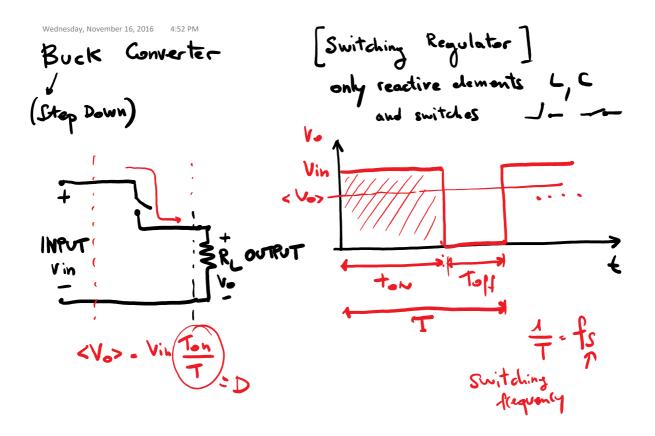
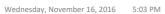
Power Converters

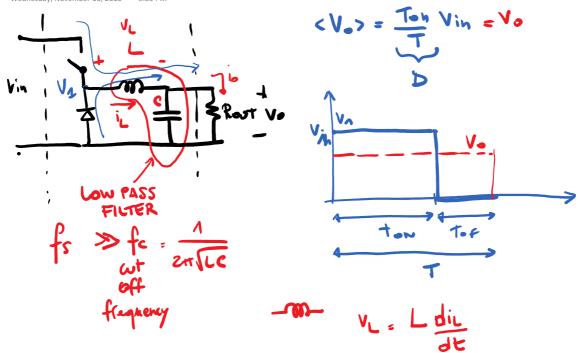


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BUCK CONVERTER





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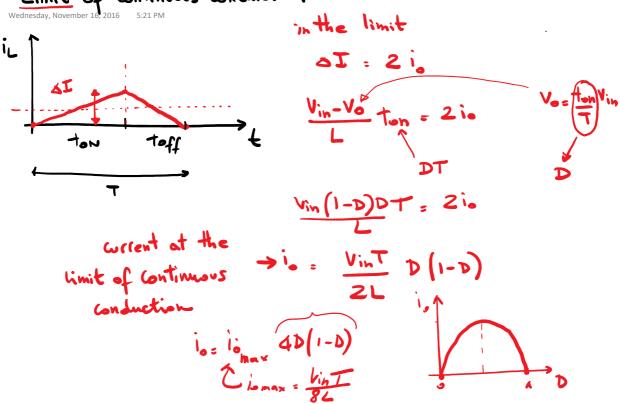
Ton:
$$V_L = V_{in} - V_{o} \Rightarrow di_L = V_L = V_{in} - V_{o}$$

Toff: $V_L = -V_{o} \Rightarrow di_L = V_L = V_{o}$

Toff: $V_L = -V_{o} \Rightarrow di_L = V_{o} = V_{o}$

Toff: $V_{o} = V_{o} \Rightarrow V_{o}$

Limit of Continuous conduction Wednesday, November 16, 2016 5:21 PM



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