


Electronics

Lecture 4 - A/C Circuits

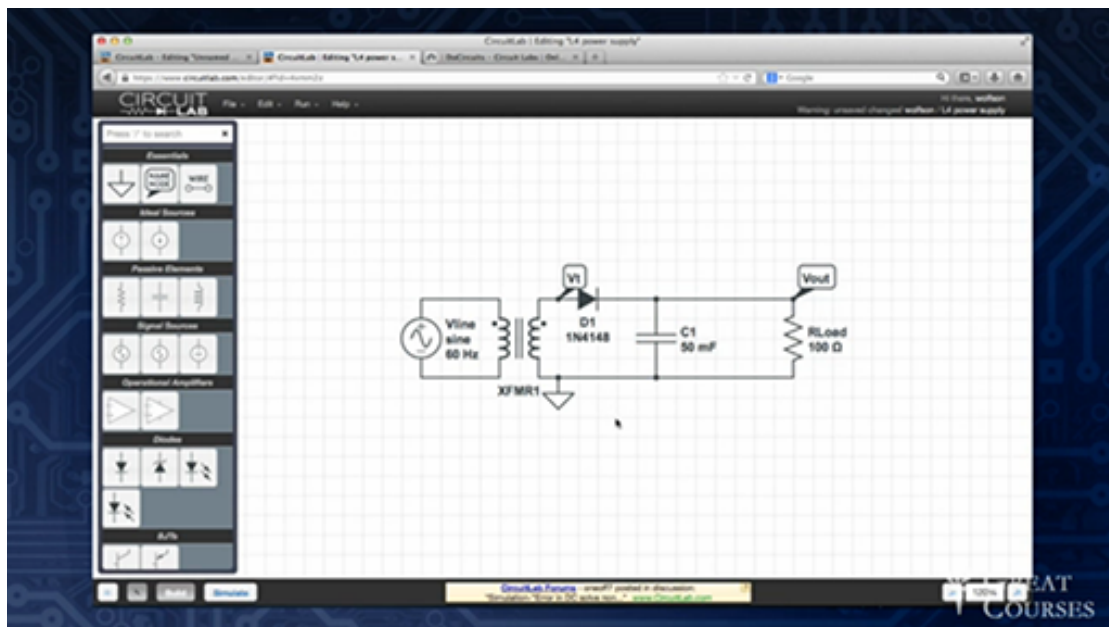
SUMMARY

- Converted AC to DC using three components
 - Transformer
 - Diode
 - Filter capacitor




THE GREAT COURSES

Project Circuit Design

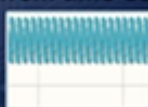


PROJECT SOLUTION

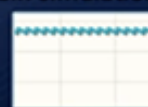
- Complete circuit



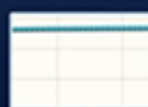
- Results from time-domain simulations



1 mF




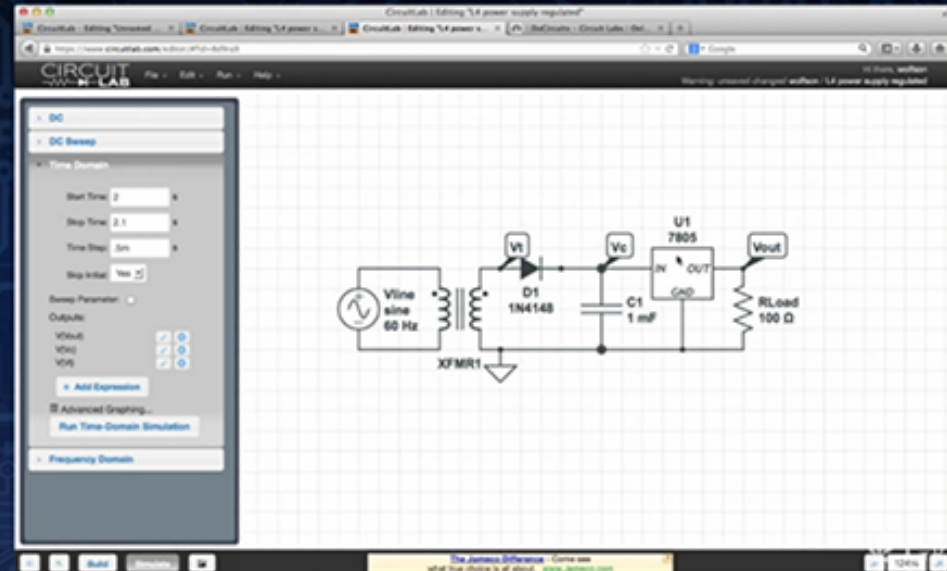
10 mF




50 mF

- Tweak transformer to $N = 28$ and output goes to 5 V







From Docircuits

