Prelab 6 AC Signals, Transformers and Bridge Rectifiers

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February 24, 2021
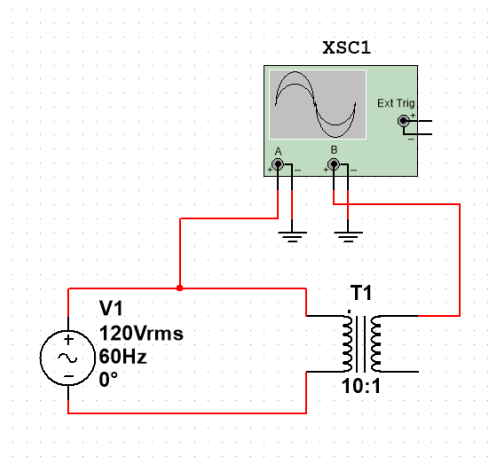
Circuit 1: Figure 6.1 In Multisim

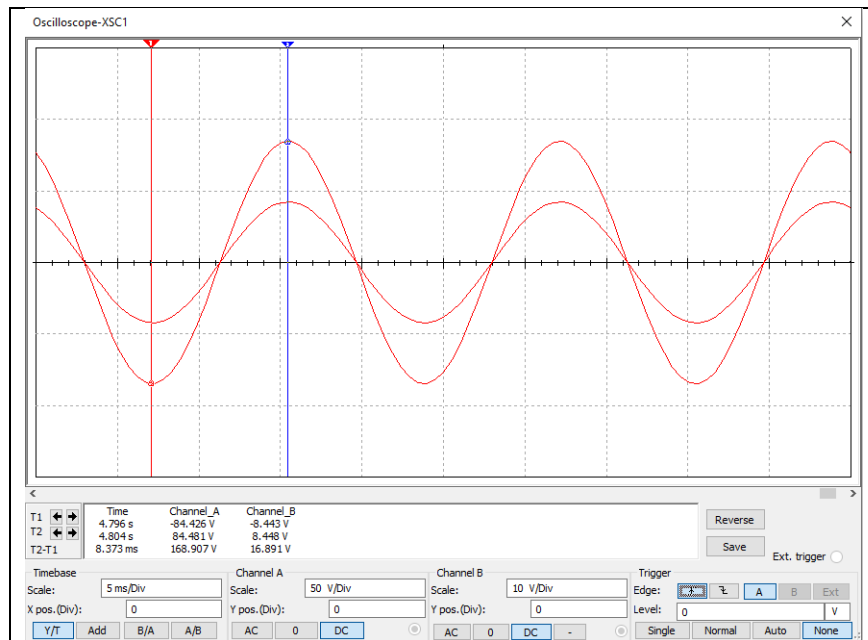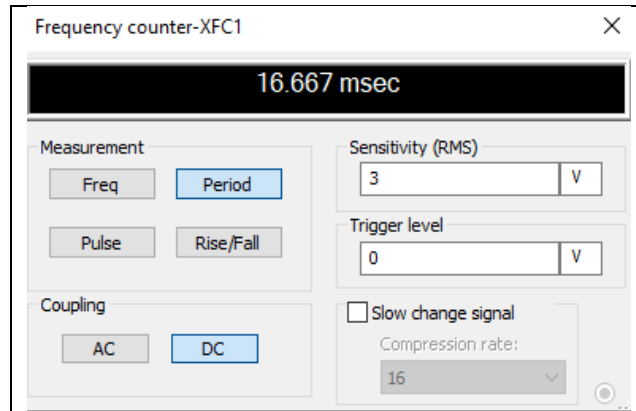# Part 1 – Transformer Figure 6.3

Figure 1: Peak Voltage graph Figure 6.3
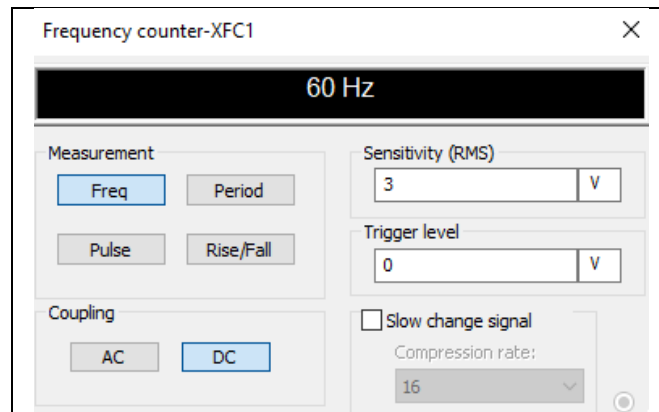
Figure 2: Period from Frequency Counter

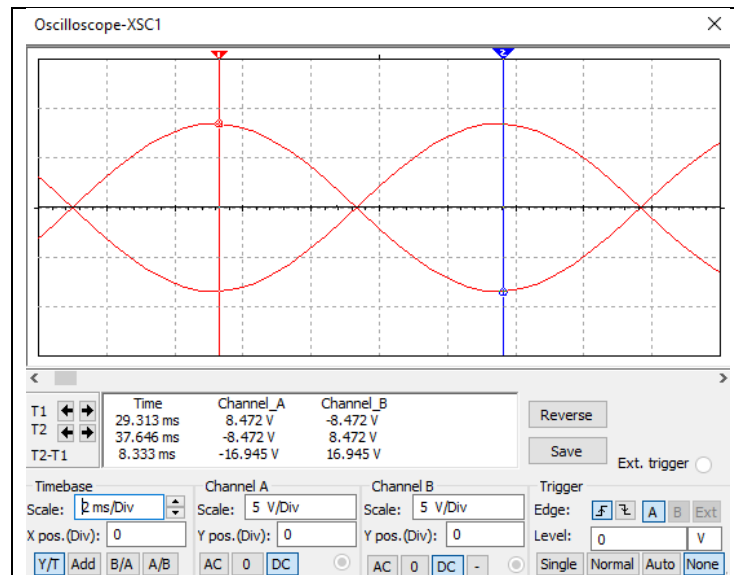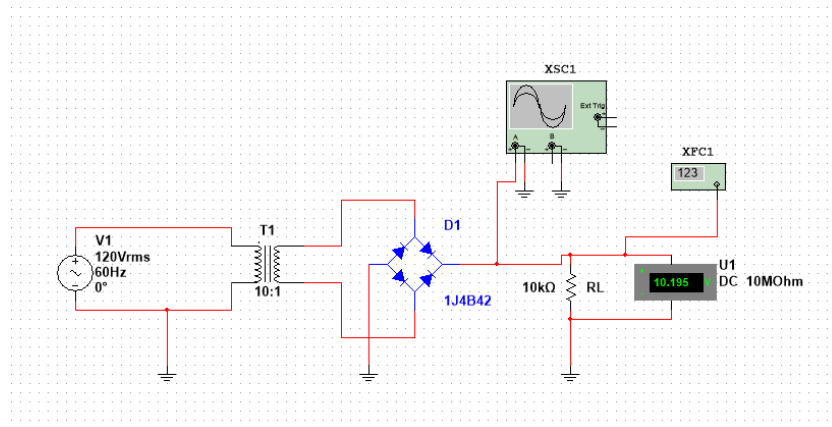Figure 3: Frequency from Frequency Counter

Figure 4: Node C vs. Node D

Figure 4 shows that Node C and D are off by 180 degrees and perfectly out of phase. The difference between the out terminals of the transformer is just sign.

Circuit 2: Figure 6.4
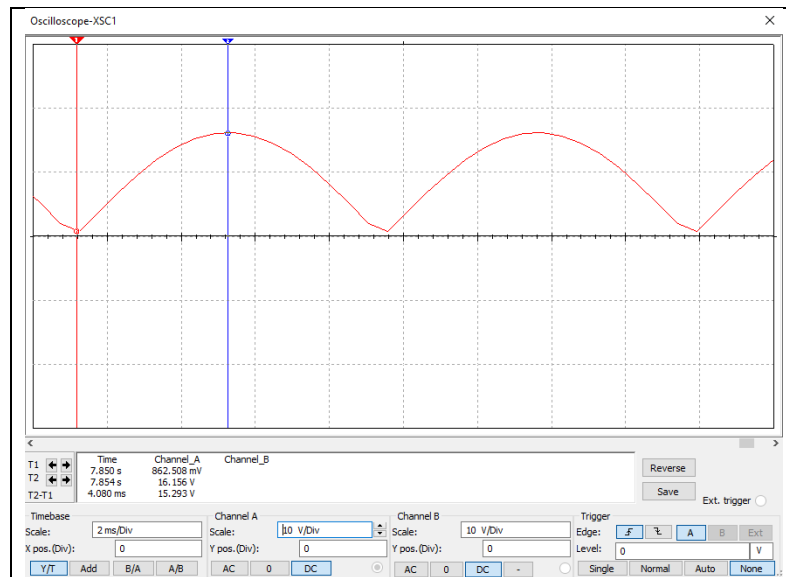
Part 2 – Transformer Figure 6.4
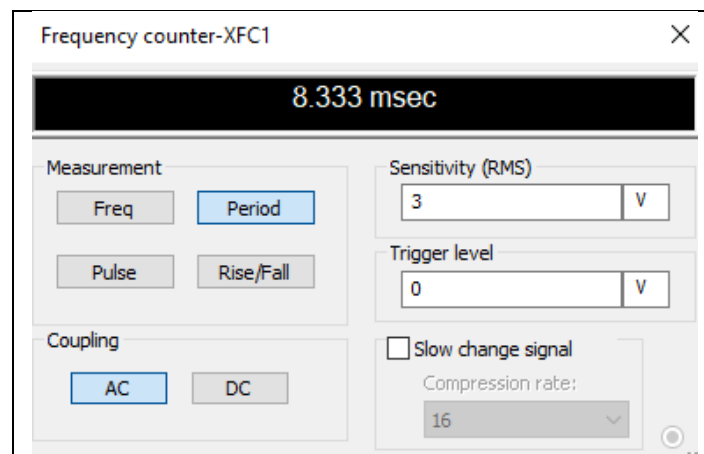

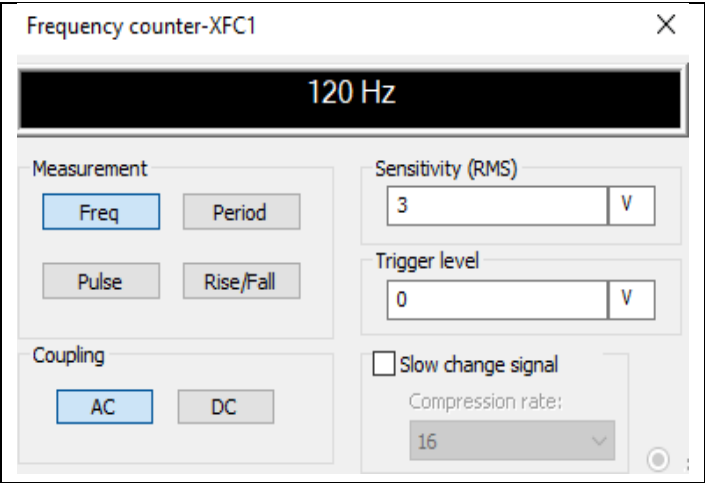Figure 5: Peak Voltage graph Figure 6.4

Figure 6: Period from Frequency Counter

Figure 7: Frequency from Frequency Counter