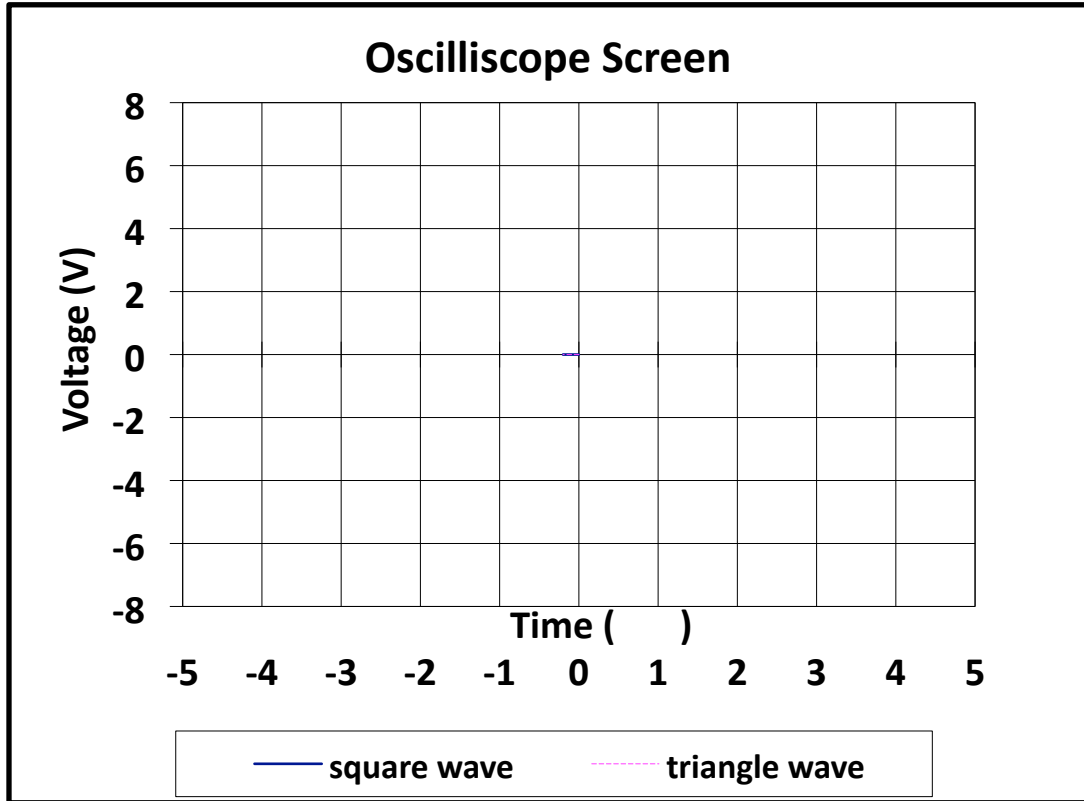


Name:

Physics 1012 ~ Experiment 7

AC Voltages, Frequency and the use of the Oscilloscope



1. How many seconds does it take the trace to go across 1/2 the screen at the 1 ms/div setting?
2. Which knob controls the amplitude of the signal generator? Which 2 controls do you use to zero the trace?
3. How accurate is the signal generator frequency? Use statistics to compare the output of the frequency generator with the value you measure on the oscilloscope screen.
4. List 1 source of random error and 1 source of systematic error? Be very specific.