

## Prelab 2

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### Part 1 – Inverting Op-Amp

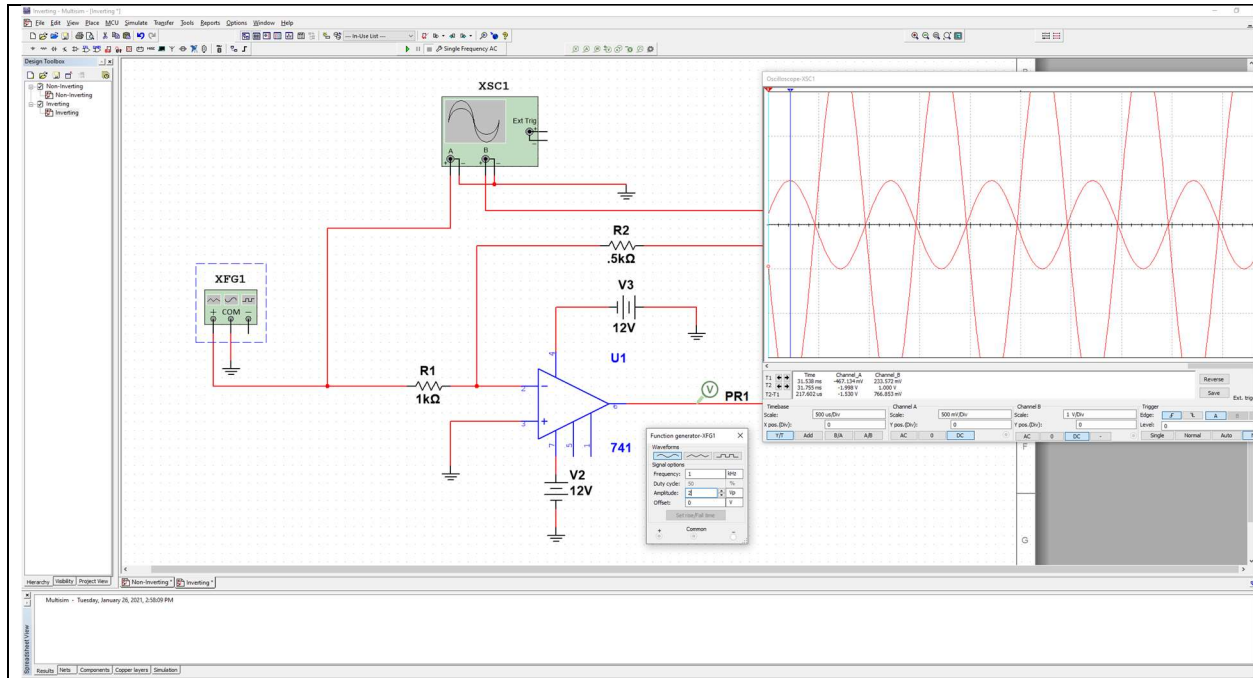


Figure 1: Inverting op-amp circuit diagram with input and output waveforms.

Vin (V)	Rin(kOhm)	Rf (kOhm)	Vout (V) Oscilloscope	Gain V/v	Vout (v) Volt Meter
2	1	0.5	-1	-0.5	- 0.354
2	1	1	-2	-1	- 0.707
2	1	2	-4	-2	- 1.41
2	1	3	-6	-3	- 2.12
2	1	4	-8	-4	- 2.83

Table 1: Simulation results for inverting op-amp

Part 2 – Non-Inverting Op-Amp

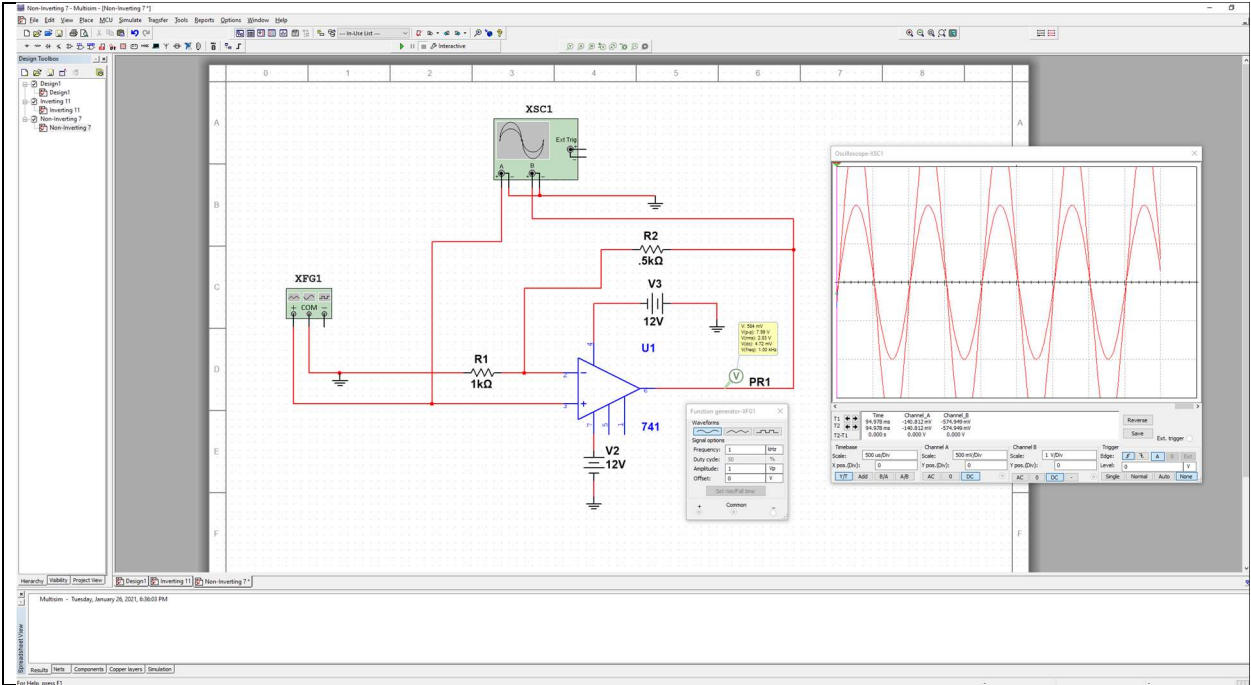


Figure 2: Non-Inverting op-amp circuit diagram with input and output waveforms.

Vin (V)	Rin(kOhm)	Rf (kOhm)	Vout (V) Oscilloscope	Gain V/v	Vout (v) Volt Meter
2	1	0.5	3	1.5	1.06
2	1	1	4	2	1.41
2	1	2	6	3	2.12
2	1	3	8	4	2.83
2	1	4	10	5	3.54

Table 2: Simulation results for non-inverting op-amp