

Instrumentation Amp

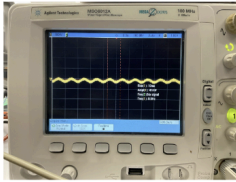
Thursday, September 11, 2025 5:07 PM

$$R_{ar} = \frac{100k}{G_{ain} - 1}$$

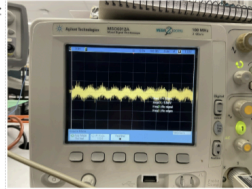
20 Gain: $R_g = 5k\Omega$
 100 Gain: $R_g = 1k\Omega$
 200 Gain: $R_g = \frac{100k}{199} \approx 502\Omega$

Results for $R_g = 1k\Omega$

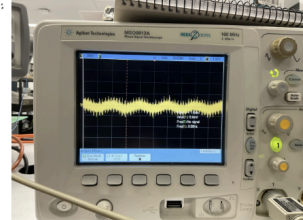
20Vpp 10Hz:



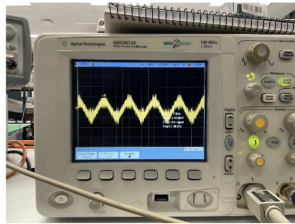
5Vpp 10Hz:



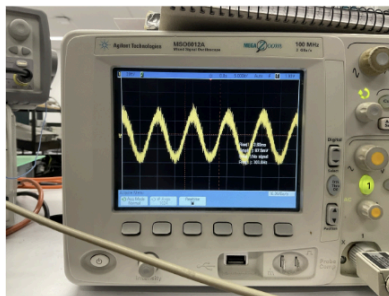
5Vpp 10Hz:
t=50



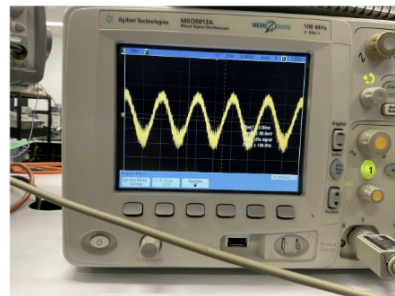
5Vpp 50Hz:



5Vpp 100Hz:



5Vpp 100Hz:
t=7.50



5Vpp 500Hz:

