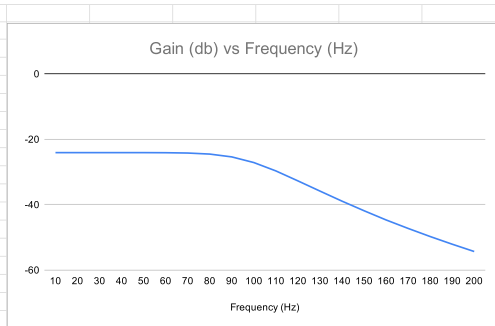
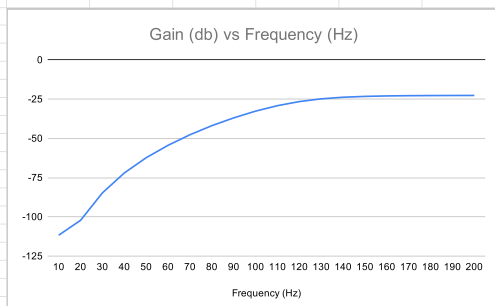


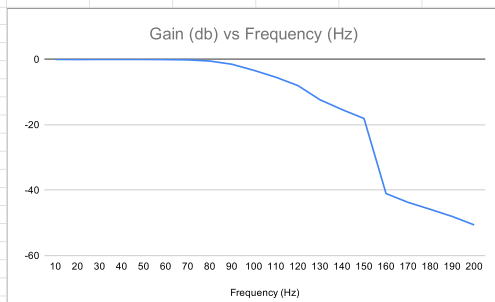
Lowpass Butterworth (100 Hz)				
Frequency (Hz)	Input Voltage (V)	Output Voltage (V)	Gain (V/V)	Gain (db)
10	10	0.6279	0.06279	-24.04219034
20	10	0.6279	0.06279	-24.04219034
30	10	0.6279	0.06279	-24.04219034
40	10	0.6279	0.06279	-24.04219034
50	10	0.6279	0.06279	-24.04219034
60	10	0.6259	0.06259	-24.06990097
70	10	0.6189	0.06189	-24.16759035
80	10	0.5965	0.05965	-24.48779104
90	10	0.5402	0.05402	-25.3489084
100	10	0.4427	0.04427	-27.07780956
110	10	0.3298	0.03298	-29.63498697
120	10	0.2322	0.02322	-32.68275569
130	10	0.1622	0.01622	-35.798983
140	10	0.1138	0.01138	-38.87715476
150	10	0.0812	0.00812	-41.80887942
160	10	0.0587	0.00587	-44.62723798
170	10	0.04355	0.004355	-47.22023681
180	10	0.03274	0.003274	-49.6984265
190	10	0.02499	0.002499	-52.04467488
200	10	0.01931	0.001931	-54.28435452



Highpass Butterworth (125 Hz)				
Frequency (Hz)	Input Voltage (V)	Output Voltage (V)	Gain (V/V)	Gain (db)
10	10	0.00002602	0.00002602	-111.6938542
20	10	0.00007758	0.00007758	-102.2050045
30	10	0.0005813	0.0005813	-84.71199354
40	10	0.002501	0.002501	-72.03772617
50	10	0.007653	0.007653	-62.32336573
60	10	0.01902	0.01902	-54.41578975
70	10	0.04122	0.04122	-47.69784025
80	10	0.08026	0.08026	-41.91001689
90	10	0.1422	0.1422	-36.94200807
100	10	0.2332	0.02332	-32.64542908
110	10	0.3482	0.03482	-29.16342466
120	10	0.4702	0.04702	-26.5543475
130	10	0.5745	0.05745	-24.81419934
140	10	0.6461	0.06461	-23.79400518
150	10	0.688	0.0688	-23.24823124
160	10	0.7117	0.07117	-22.95406068
170	10	0.7244	0.07244	-22.80043117
180	10	0.7312	0.07312	-22.71927635
190	10	0.7351	0.07351	-22.67307155
200	10	0.7373	0.07373	-22.64711532



Lowpass Butterworth (100 Hz)				
Frequency (Hz)	Input Current (A)	Output Current (A)	Gain (A/A)	Gain (db)
10	1	0.9997	0.9997	-0.002606157835
20	1	0.9962	0.9962	-0.03306925207
30	1	1	1	0
40	1	1	1	0
50	1	0.9995	0.9995	-0.004344030917
60	1	0.9944	0.9944	-0.04877768733
70	1	0.9848	0.9848	-0.1330392015
80	1	0.9441	0.9441	-0.4996400473
90	1	0.8444	0.8444	-1.469035507
100	1	0.6812	0.6812	-3.334507214
110	1	0.5342	0.5342	-5.445922326
120	1	0.3981	0.3981	-8.000156448
130	1	0.2419	0.2419	-12.32728263
140	1	0.1712	0.1712	-15.32992479
150	1	0.1249	0.1249	-18.06875123
160	1	0.008891	0.008891	-41.0209878
170	1	0.006519	0.006519	-43.71638038
180	1	0.005112	0.005112	-45.8281831
190	1	0.00397	0.00397	-48.02418986
200	1	0.002949	0.002949	-50.60650455



Highpass Butterworth (125 Hz)				
Frequency (Hz)	Input Current (A)	Output Current (A)	Gain (A/A)	Gain (db)
10	1	0.001934	0.001934	-54.27087061
20	1	0.003935	0.003935	-48.10110527
30	1	0.005684	0.005684	-44.90691861
40	1	0.005467	0.005467	-45.24501852
50	1	0.01062	0.01062	-39.47750967
60	1	0.02369	0.02369	-32.50869879
70	1	0.0514	0.0514	-25.78073762
80	1	0.1074	0.1074	-19.37991437
90	1	0.1783	0.1783	-14.97697314
100	1	0.2937	0.2937	-10.64192107
110	1	0.4423	0.4423	-7.085661213
120	1	0.6068	0.6068	-4.339088558
130	1	0.7517	0.7517	-2.479108995
140	1	0.8562	0.8562	-1.34849553
150	1	0.9205	0.9205	-0.7195241432
160	1	0.9557	0.9557	-0.3935682798
170	1	0.976	0.976	-0.2110036467
180	1	0.9867	0.9867	-0.116297436
190	1	0.9922	0.9922	-0.068015546
200	1	0.9956	0.9956	-0.03830224127

