

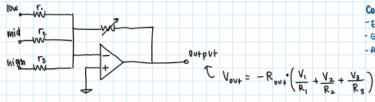
Low Pass: R: 20 KSL Mid Pass: R : 11 F.D.

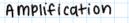
Y components. Check by doing Z

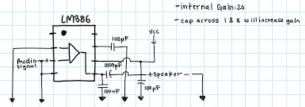
High Pass: R : 9.1Ks

-Starting @ 10k for max gain of 1 - to get Ri, adjusted a until Voltage max output is equal across all 3

summation of amp - adjustable gain







Abstract

-andio technology rused passive & active filters
- trigh & low
- mid

-created audio amplifier - calculated

- Simulated in Spice

- circuit areated

-measured outputs

- Played music

Objective

-create analog audio equalizer & amplifier

- freq range: 5320 Hz, 320 Hz - 3200 Hz, 23200 Hz

- overall volume control

-amplifier to make it able to drive speakers

-tested through oscilloscope & Playing audio

Conclusion

-Experiment completed objectives

- Graphs & demo were successful

- Audio produced was clean

