

Lab05

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1 Introduction

The goal of this lab was to build an EKG and further our understanding of filters.

2 Figures

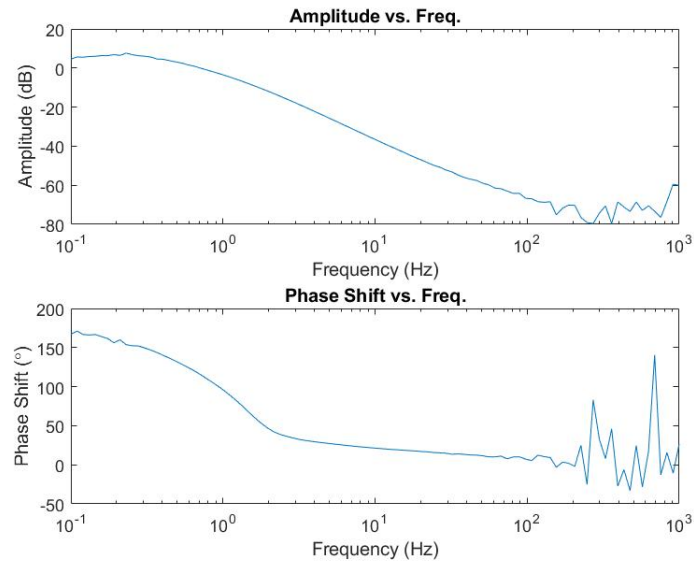


Figure 1: Final Bode plot of the EKG circuit.

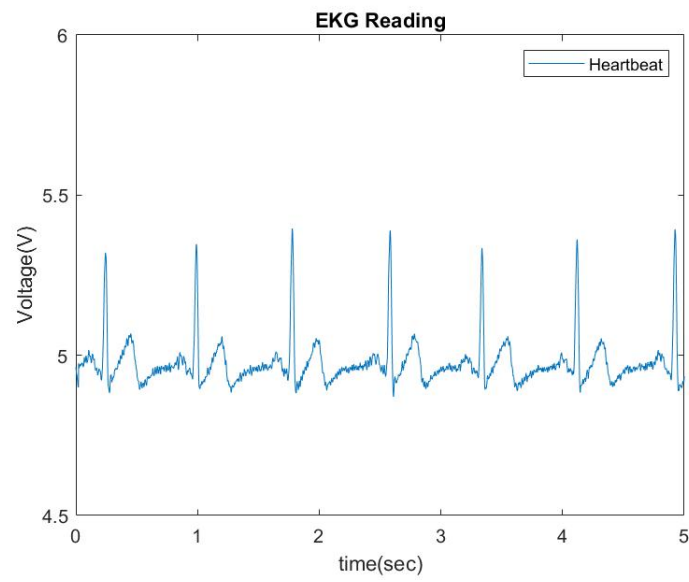


Figure 2: EKG readout after all the amplifications and filters



Figure 3: EKG readout in WaveForms

pass filter with characteristic frequencies of .0325 and .0016, respectively. The second half consists of an amplifier with a Gain of 21 and two low pass filters both with a characteristic frequency of .0325. The total amplification experience by the input is 1000 This combination of 1 high and 3 low pass filters produces a relatively clear EKG output.