

Week 4: Oscillations

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Abstract

1 LFP signal on one trial of habituation

Each trial in the experiment consists of a 4 second block, which consists of 3.5 seconds of baseline activity and 0.5 seconds stimulation. Here we plot the signal for the first block of habituation.

For convenience we decompose the previous plot into two parts.

2 Power spectra

Here we plot two power spectra, one for the baseline part of the first trial and the other for the stimulation.

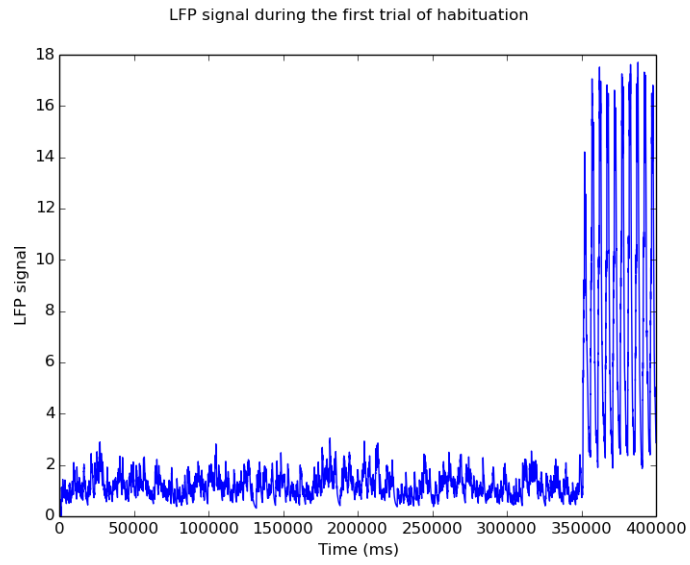


Figure 1: LFP signal for one trial of habituation

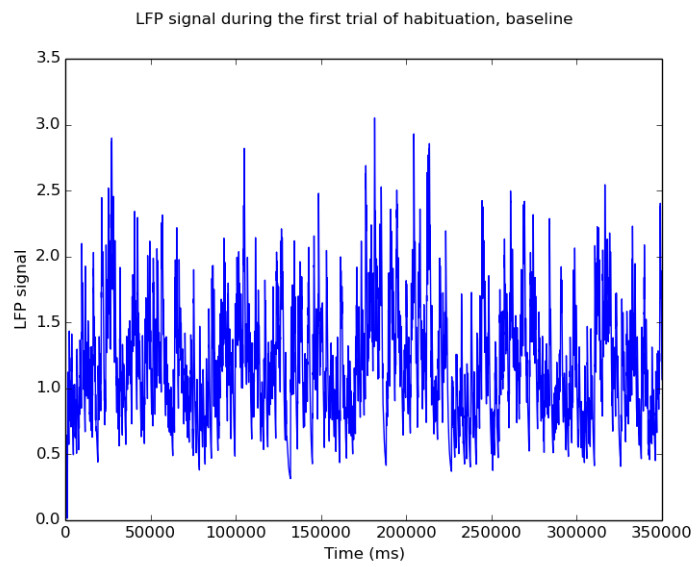


Figure 2: LFP signal for one trial of habituation, baseline part

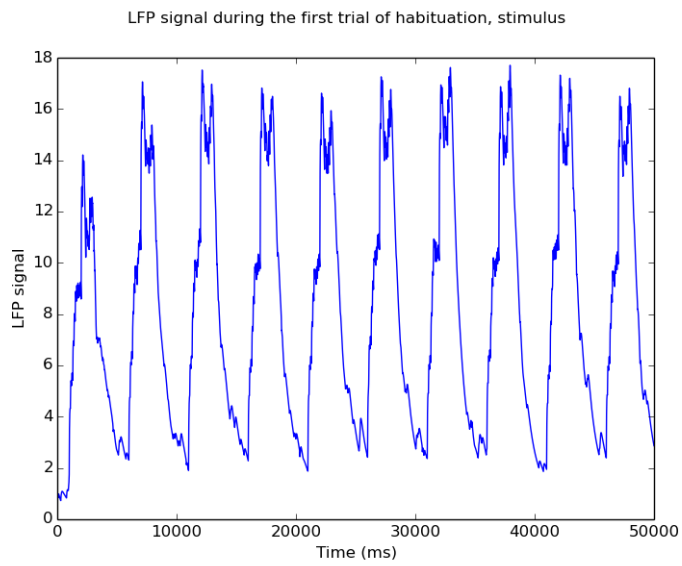


Figure 3: LFP signal for one trial of habituation, stimulus part

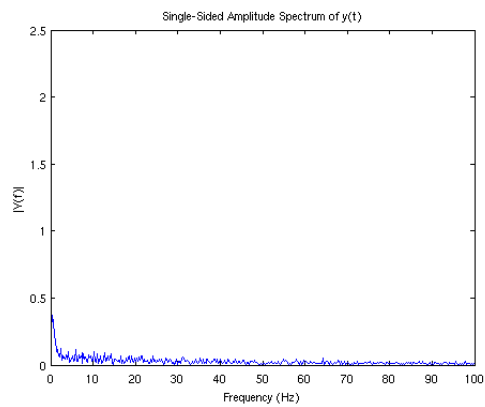


Figure 4: Power spectrum, baseline of first trial

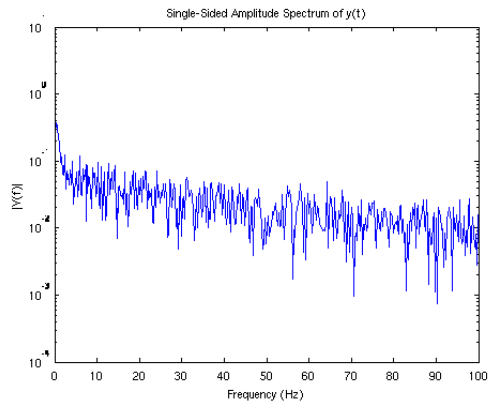


Figure 5: Semilog power spectrum, baseline of first trial

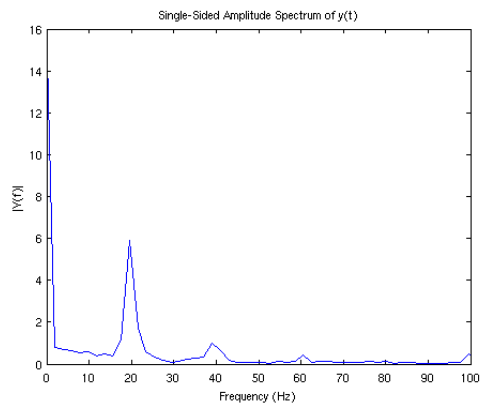


Figure 6: Power spectrum, stimulus of first trial

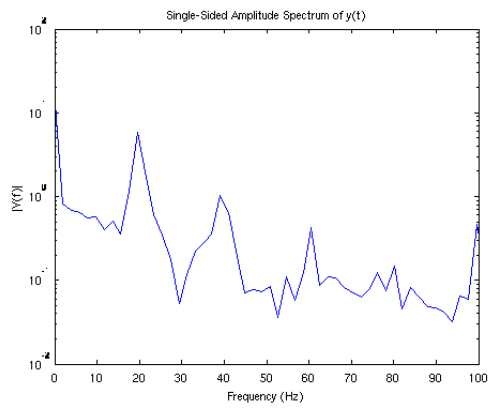


Figure 7: Semilog power spectrum, baseline of first trial