

Motivic analysis of neuronal signals

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Overview

Experiment

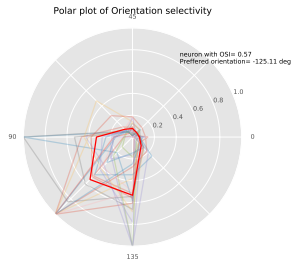
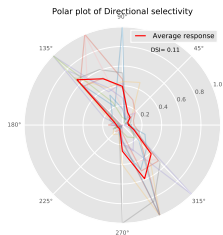
Heading

Experiment

Background

Orientation and Directional selectivity of neurons in V1

- Blah blah blah
- Blah blah blah
- Blah blah blah
- Blah blah blah



Motivation

Reliability and correlation

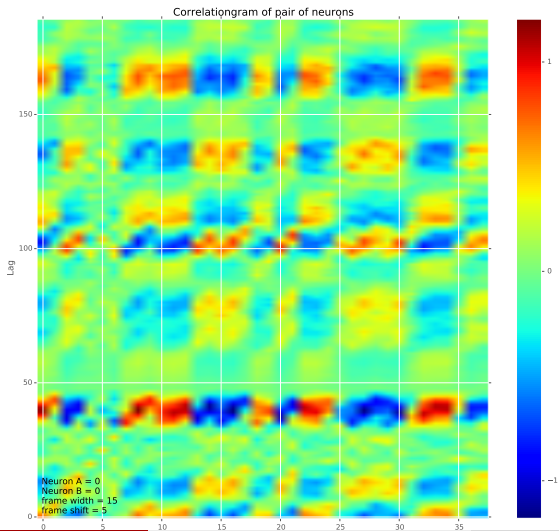
Reliability Measure

$$R_A = \frac{2}{T^2 - T} \sum_{i=1}^T \sum_{j=i+1}^T \rho(f_{i,A}, f_{j,A})$$

where $f_{i,A}$ is the response of neuron to i^{th} trial of movie A and ρ is the Pearson correlation.

ACF analysis

ACFGram



Subsequence detection using RLCS

References



John Smith (2012)

Title of the publication

Journal Name 12(3), 45 – 678.