

Assignment 1:

Introduction

We dissected a cockroach leg and looked at baseline and stimulated action potentials to infer rate coding and adaptation. % This is exactly what we did

Questions

- What happens if you choose threshold too low or too high?
- What happens to the firing rate as stimulus strength reduces?
 - Why is it called rate coding?
 - Why do sensory systems need rate coding?
- Is the mean amplitude same across baseline and stimulus? Why?
- How does firing rate change with time?



- What do you understand about the sensory system from adaptation?