

# Fast Synapsis between Hindmarsh-Rose models

By Sergio Hidalgo

## Index

- [Introduction](#)
- [Parameters](#)
- [Graphs](#)

## Introduction

This document shows the results for the fast synapses between two Hindmarsh-Rose neurons with different models (one the older, the other the new).

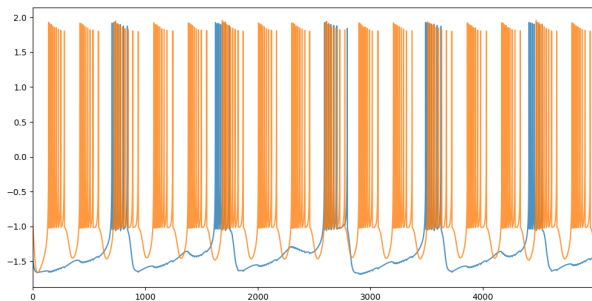
## Parameters

The parameters chosen the same that the other doc,  $v = 0.1$ , and  $S = 1.0$  for the new model and  $v = 1.0$ , and  $S = 4.0$  for the old model .

## Graphs

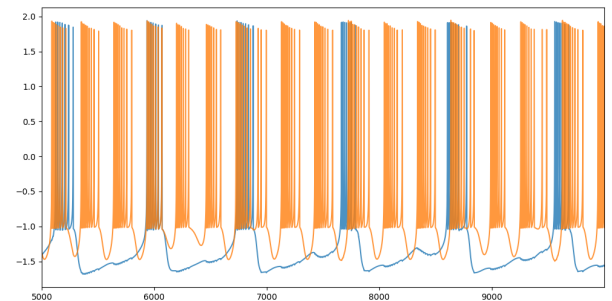
---

Old model - new model simulation



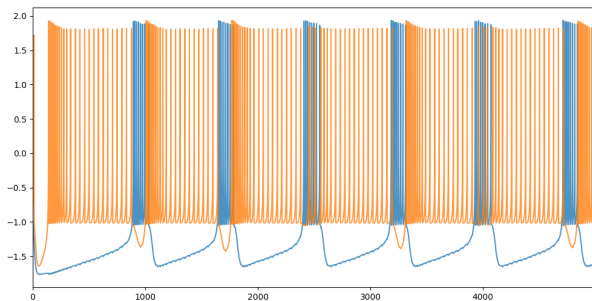
---

Old model - new model simulation continue



---

Old model - new model chaotic simulation



---

Old model - new model chaotic simulation continue

