

Test3 overview

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Introduction

Test 3 is another quick test which checks that the simulated network is in the expected state. This test also checks an input and a synapse classe (namely `WhiteNoiseLinear`, `ExponentialSynapse`). This test simply consists in observing that the simulated network is in a bistable regime.

Result

This plot shows the firing rate of the Excitatory population as a function of the external input. The system must be bistable, meaning that for the same input value (eg: 4mV/s), the system can be in two stable states: a high activity state and a low activity state. The fact that the simulation shows this behaviour illustrates that the simulated network state matches the theoretical prediction.

