

Full boolean set search

This log will detail how I am looking for a full boolean logic set in random layout 0. In general I take the following parameters:

:: $kT = 1$ $I_0 = 50 \cdot kT$ $V_{\text{high}} = 500 \cdot kT$ $ab_R = 0.25$

Important to note, the controls range between $[-V_{\text{high}}, V_{\text{high}}]$, whereas the inputs range between $[0, 2 \cdot V_{\text{high}}]$.

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Here I found a nice configuration. See the config for all parameters, but e.g. a nice configuration was the following gene array([0.49336702, 0.5188791, 0.67328908, 0.49878353, 0.54791179]) corresponding to electrode 3 ... 7. See the plots below.



