

Accurate detection of spiking motifs by learning Heterogeneous Delays of a Spiking Neural Network

Laurent Perrinet

ICANN workshop on *Recent Advances in SNNs*

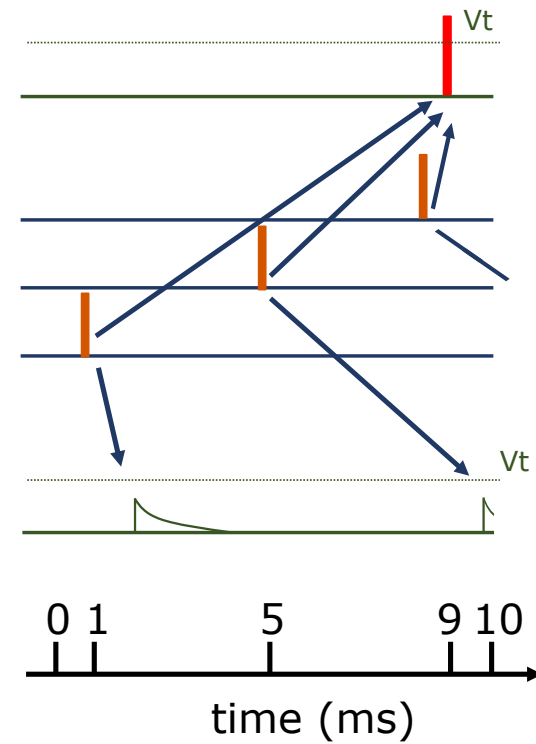
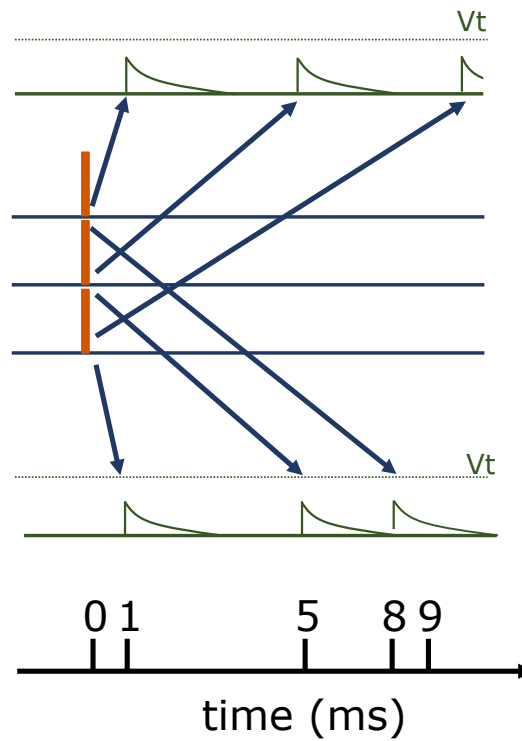
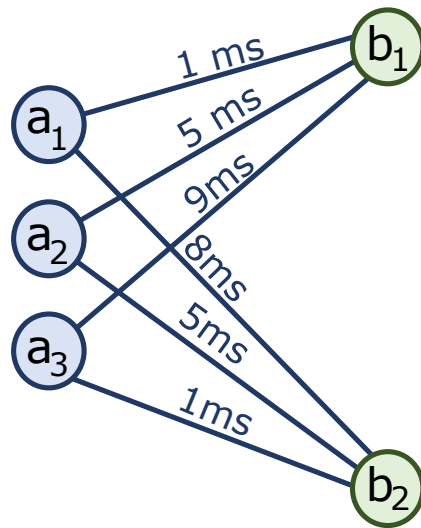


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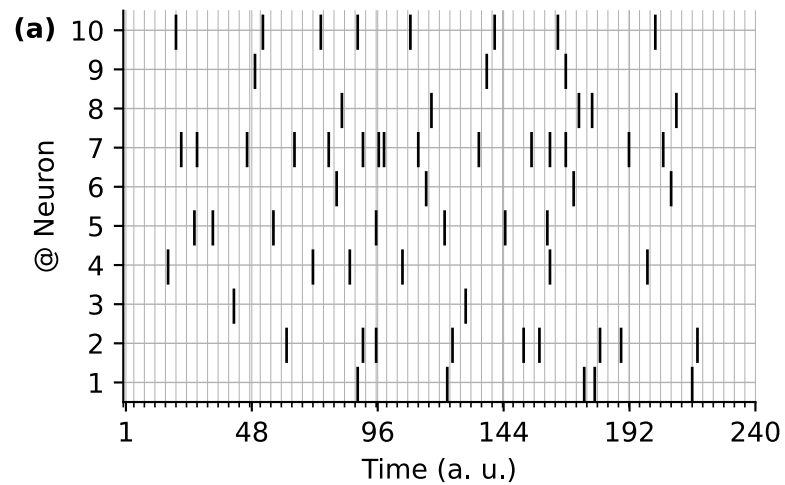
<https://laurentperrinet.github.io/talk/2023-09-27-icann>



Core Mechanism of Spiking Motif Detection

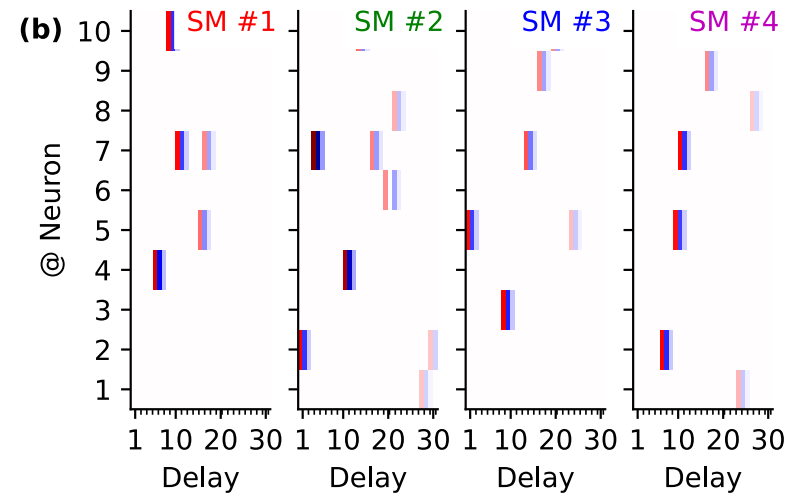
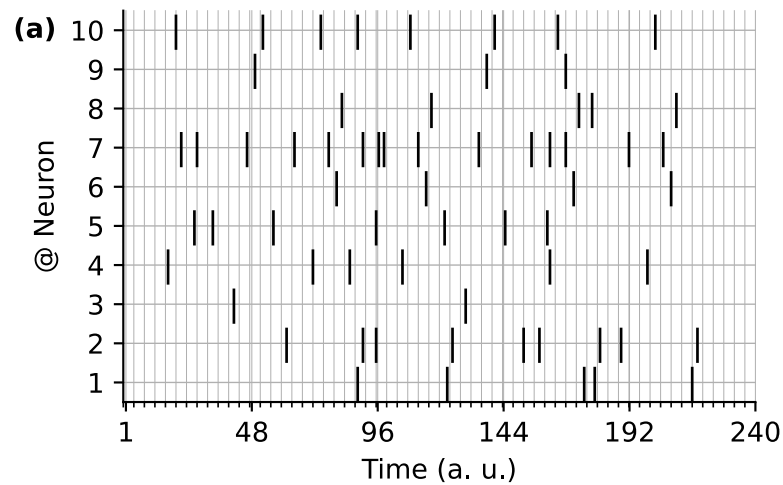


From generating raster plots to inferring spiking motifs



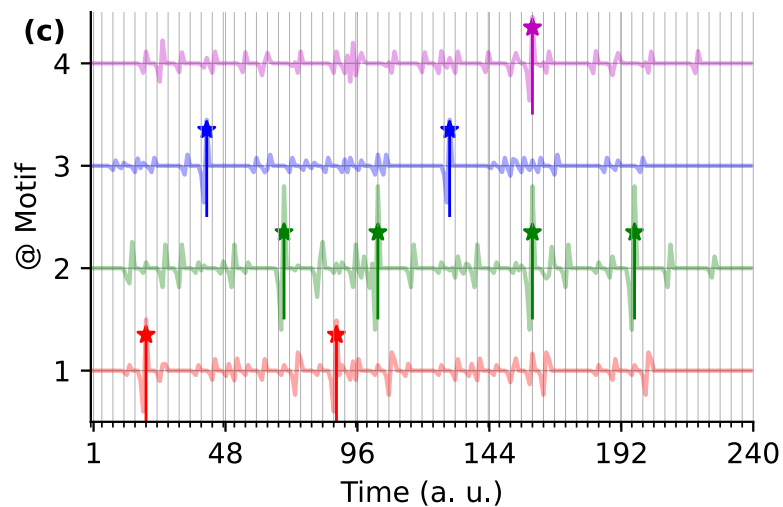
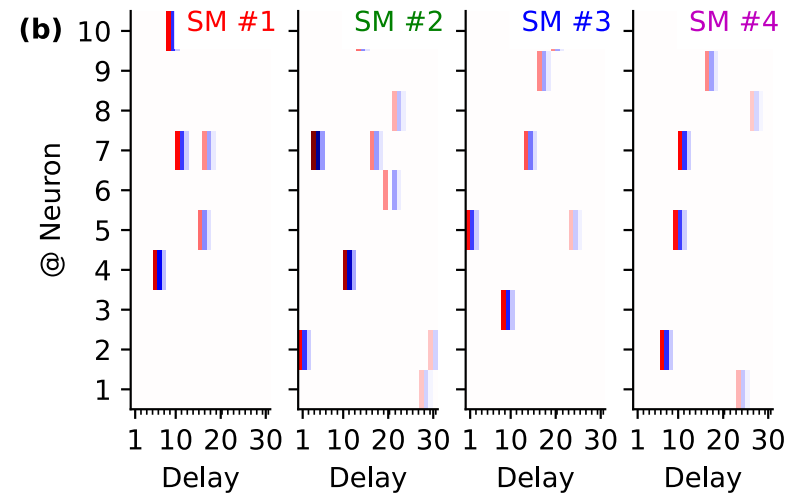
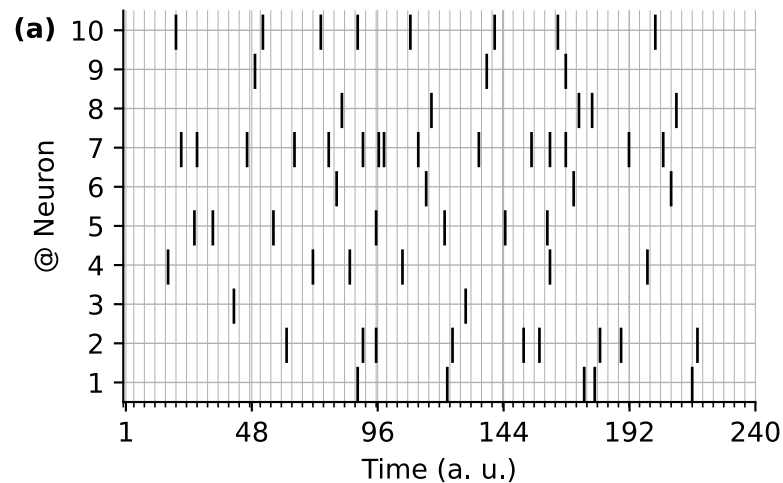


From generating raster plots to inferring spiking motifs



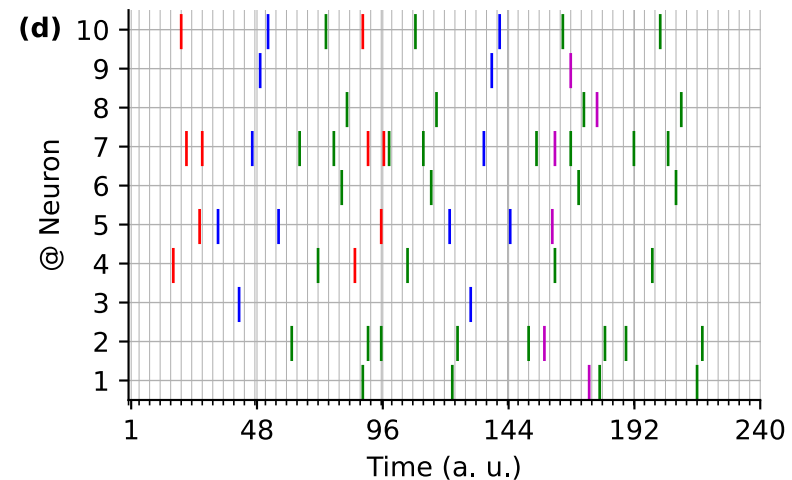
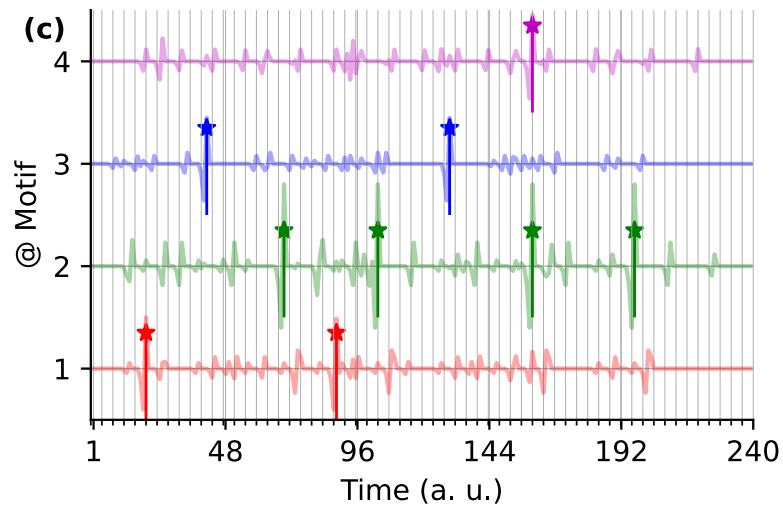
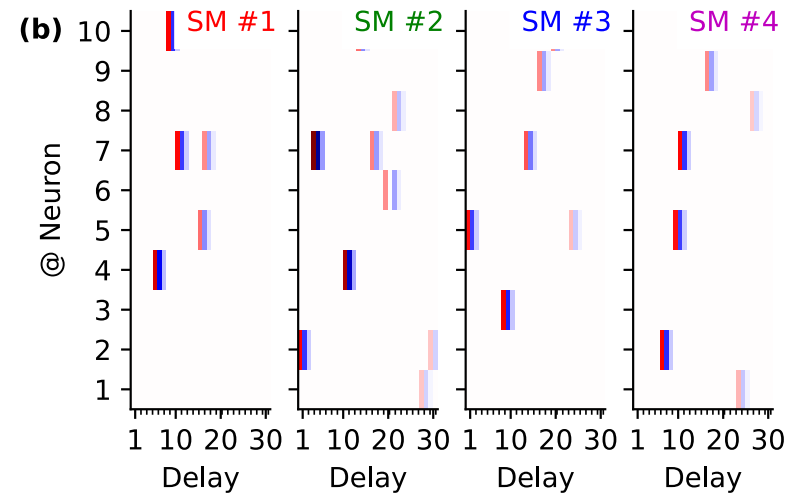
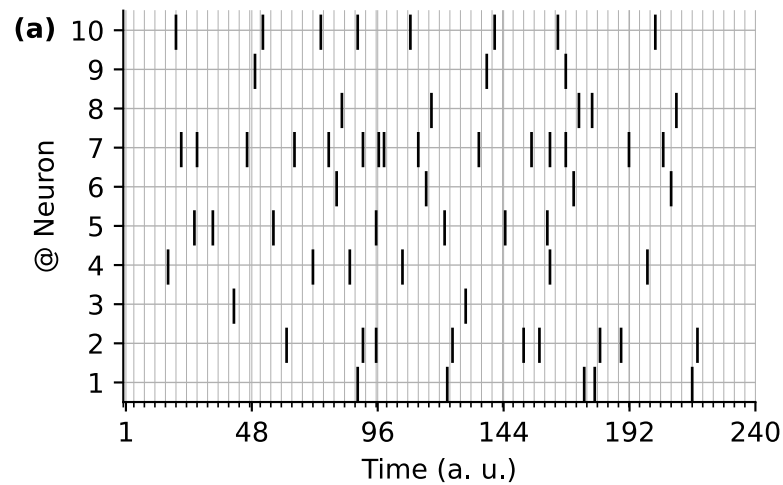


From generating raster plots to inferring spiking motifs





From generating raster plots to inferring spiking motifs

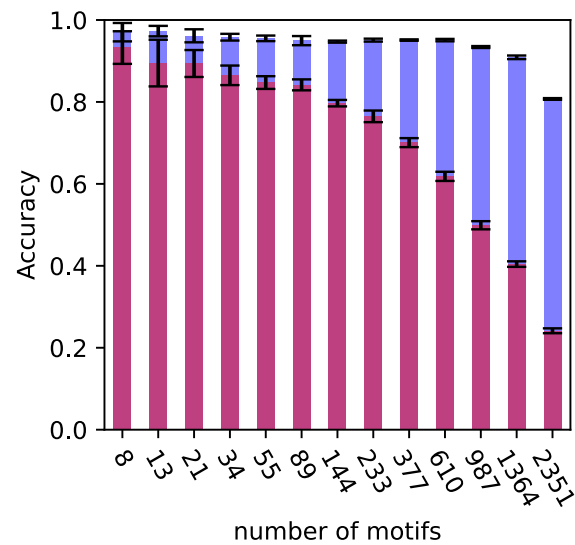




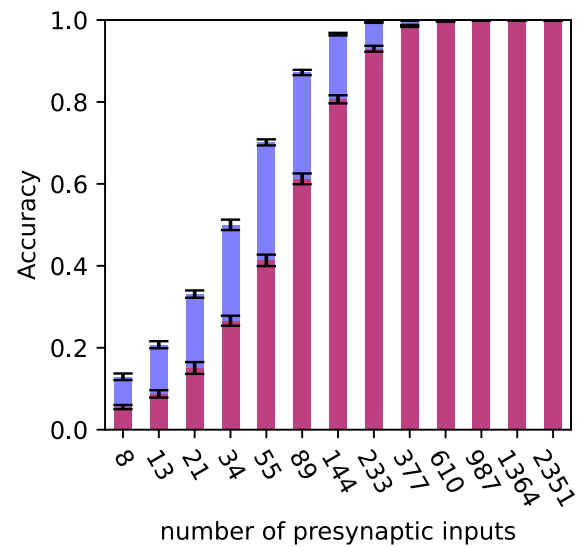
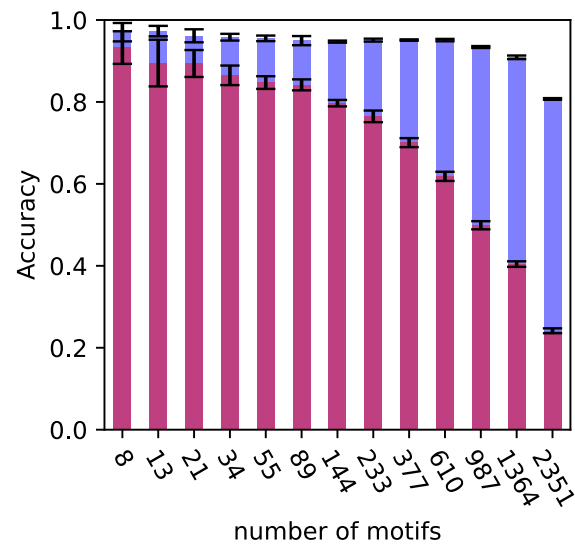
Detecting spiking motifs using heterogeneous delays



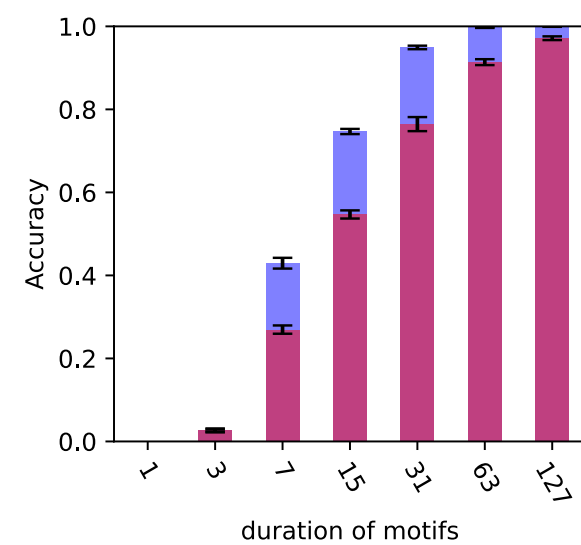
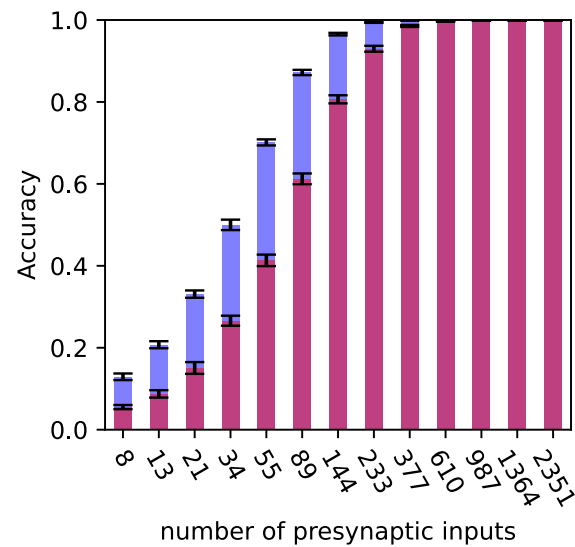
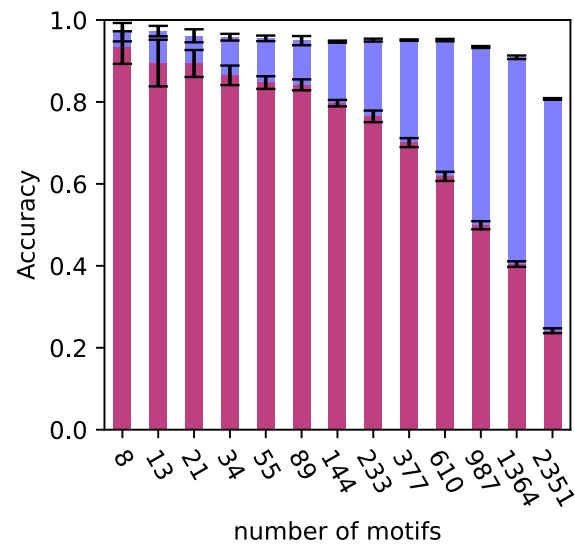
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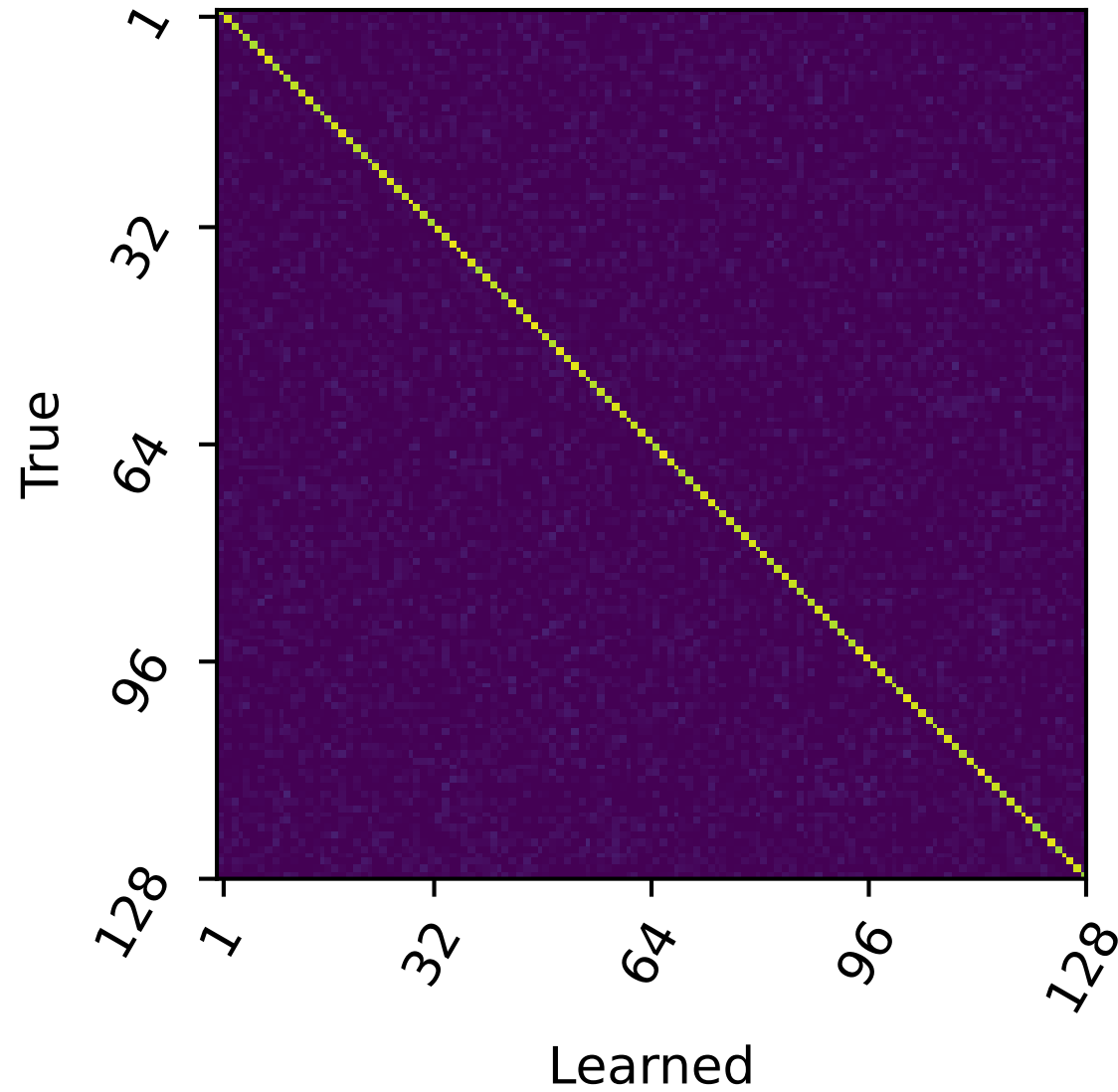


Detecting spiking motifs using heterogeneous delays





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