

Improving eligibility propagation using Izhikevich neurons in a multilayer RSNN.

Presentation 8: Collecting results

Werner van der Veen
(w.k.van.der.veen.2@student.rug.nl)

February 2, 2021

Work done since previous meeting

- ✓ Reproduced Bellec's performance.
→ some inaccuracies in Bellec's report led to delay, e.g. normalization procedure.
- ✓ Did some longer runs and parameter sweeps.

Current performance

(show figures)

Next steps

- ☐ Sweep for good parameter settings for single and multi-layer setups with ALIF, STDP-ALIF, and Izhikevich neurons;
- ☐ Meanwhile, plot demo interactions of synapses of these neurons.
- ☐ Gather final performance (accuracy and CE), training information, learning curves, and plots;
- ☐ Draft thesis based on results.