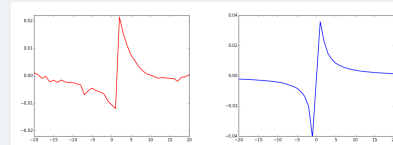


STDP as presynaptic activity times rate of change of postsynaptic activity

$$\Delta W_{i,j} \propto \dot{s}_i \rho(s_j)$$

new rule behaves like STDP

explain why new rule behave like STDP: see paper



Simulation: **details?**

Link to SGD: under several assumptions, stdp produce gradient