

# ReparoML — Experiment Report

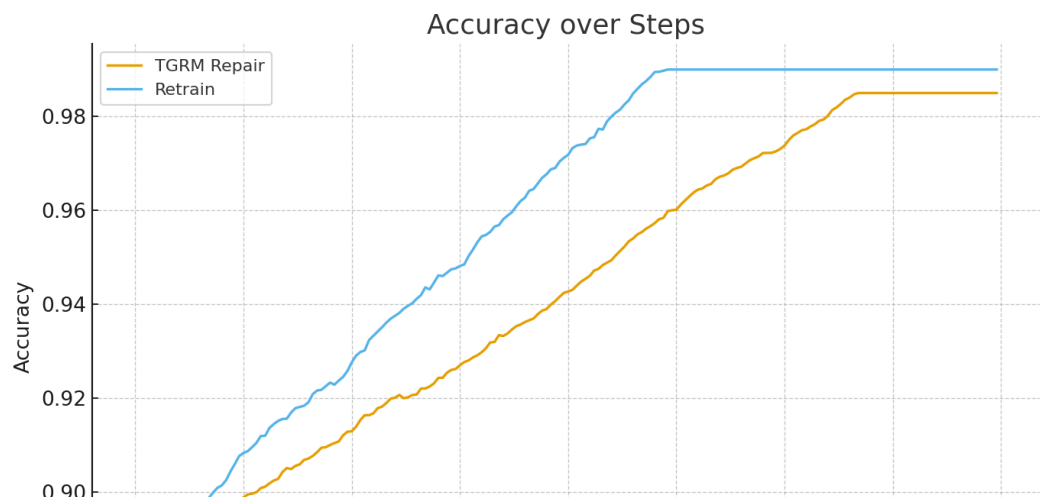
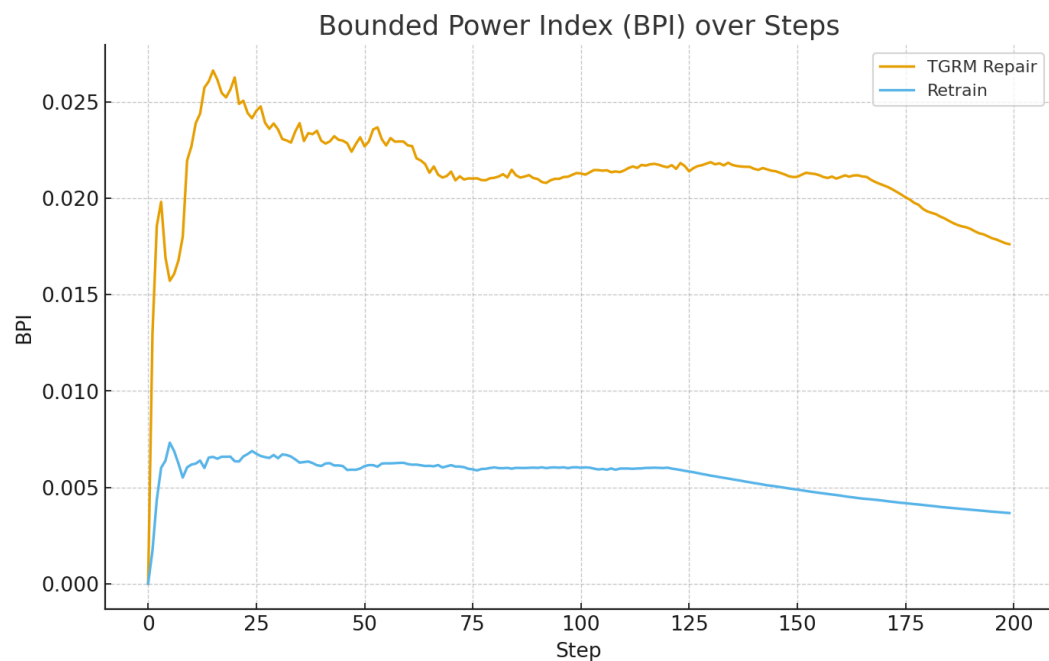
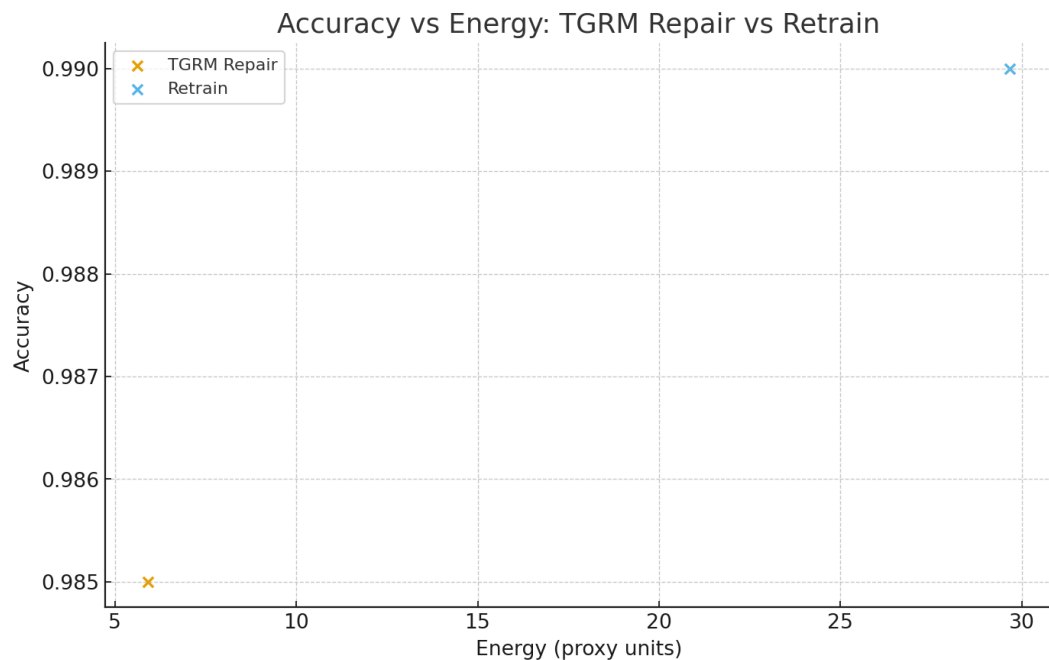
TGRM Repair vs Retrain

Author: Cody R. Jenkins — Open Science Reparodynamics Initiative

Version: v1.0

Date: October 18, 2025

Mock MNIST experiment (steps=200). Baseline accuracy 0.99  $\rightarrow$  degraded to 0.88; TGRM repair recovered to  $\sim 0.985$  with  $\sim 5.92$  energy units; retrain reached  $\sim 0.990$  with  $\sim 29.66$  units. TGRM shows a superior BPI under the same conditions.



step	acc	energy	bpi
0	0.880743	0.034967	0.000000
1	0.881567	0.063584	0.012964
2	0.882601	0.100061	0.018564
3	0.883622	0.145292	0.019816
4	0.883671	0.172950	0.016930
5	0.883896	0.200609	0.015716