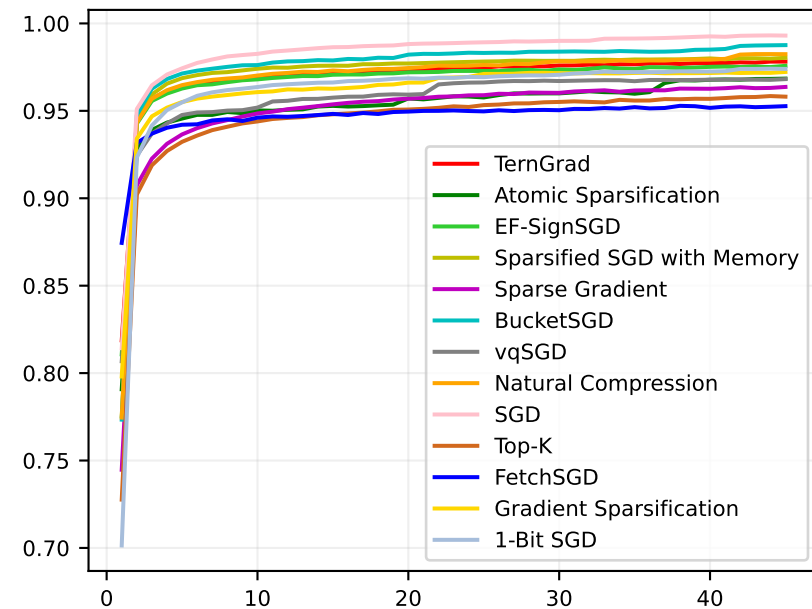
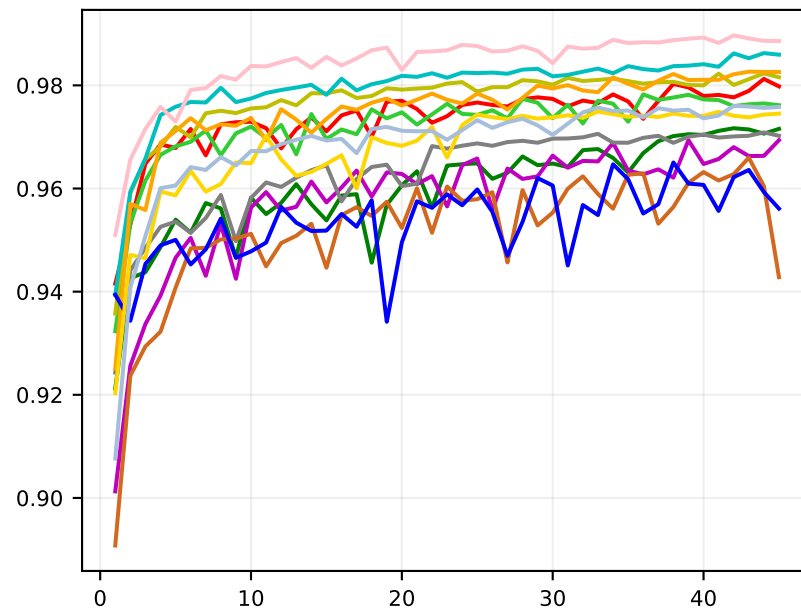


L2

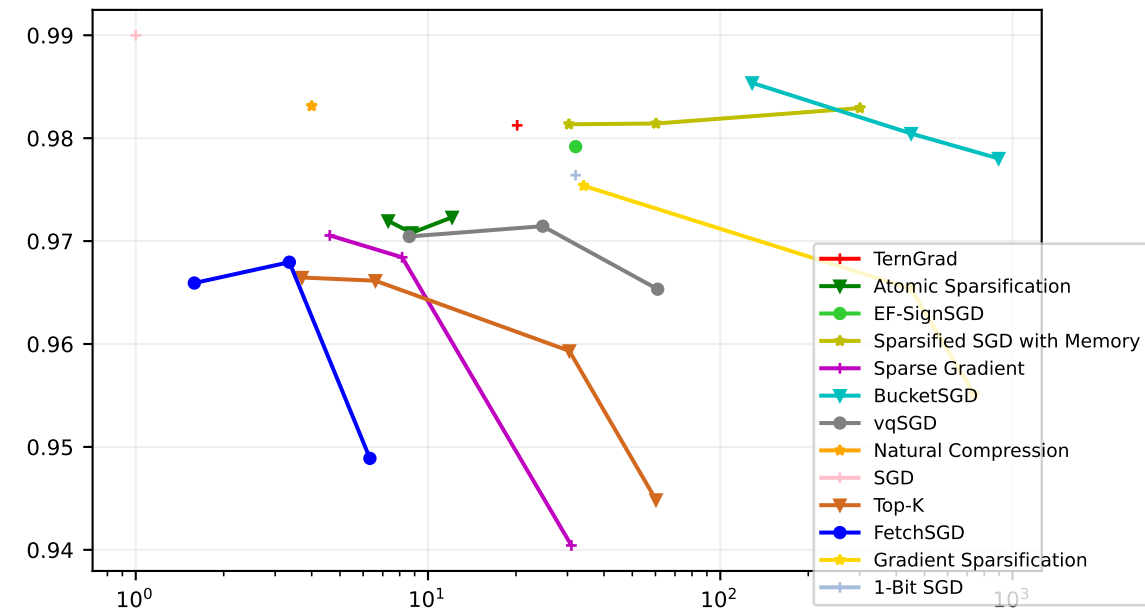
Training Accuracy



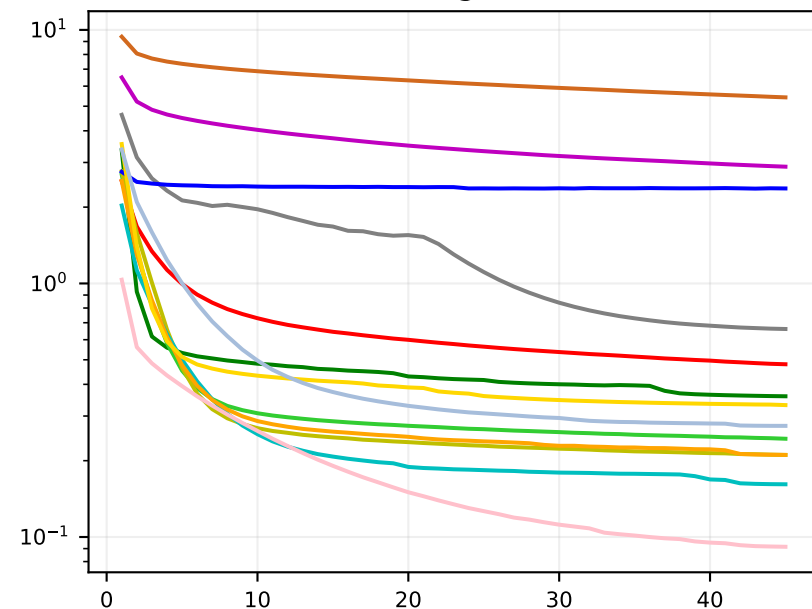
Test Accuracy



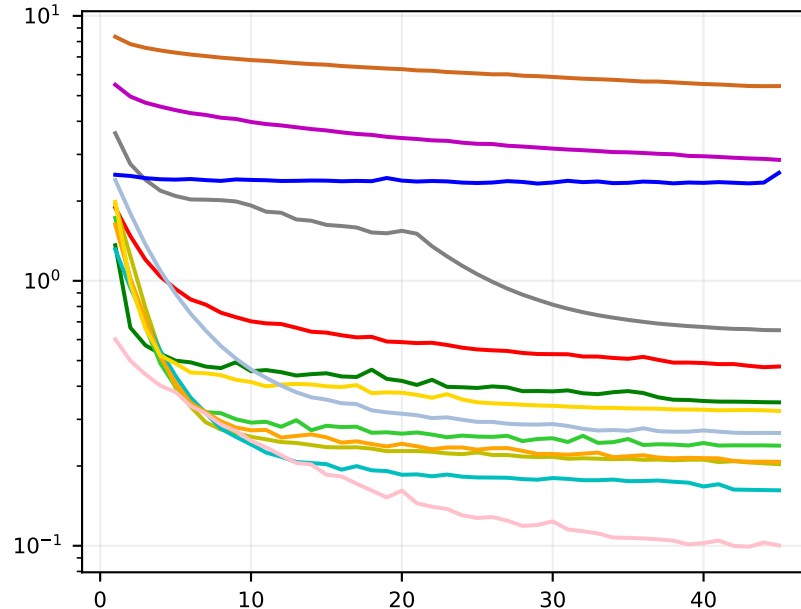
Test Accuracy vs Overall Compression



Training Loss



Test Loss



Method	Test Acc	Compression Ratio
SGD	99.0	1.0
BucketSGD	98.54	128.5
Natural Compression	98.31	4.0
Sparsified SGD with Memory	98.29	300.4
TernGrad	98.13	20.2
EF-SignSGD	97.92	32.0
1-Bit SGD	97.64	32.0
Gradient Sparsification	97.54	34.1
Atomic Sparsification	97.23	12.1
vqSGD	97.15	24.7
Sparse Gradient	97.06	4.6
FetchSGD	96.79	3.4
Top-K	96.65	3.7