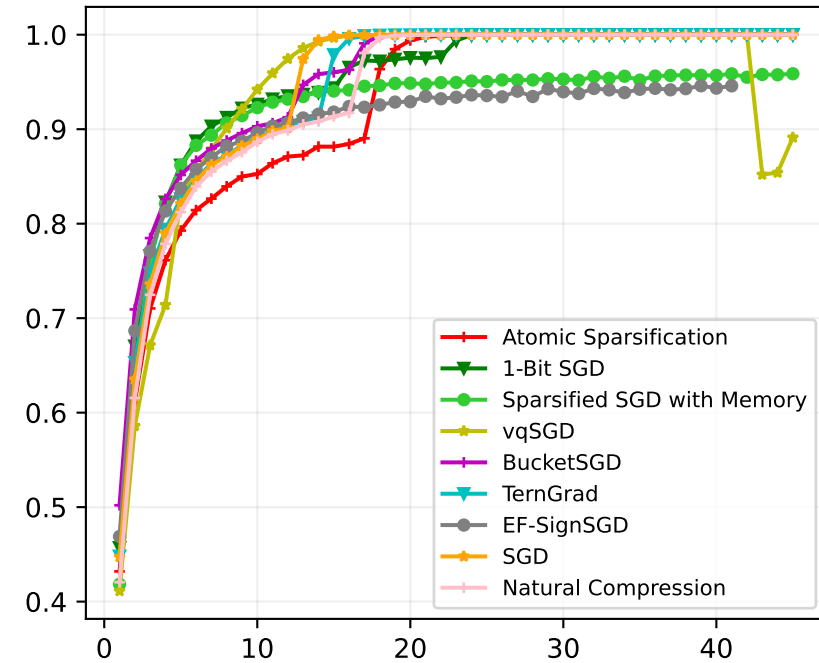
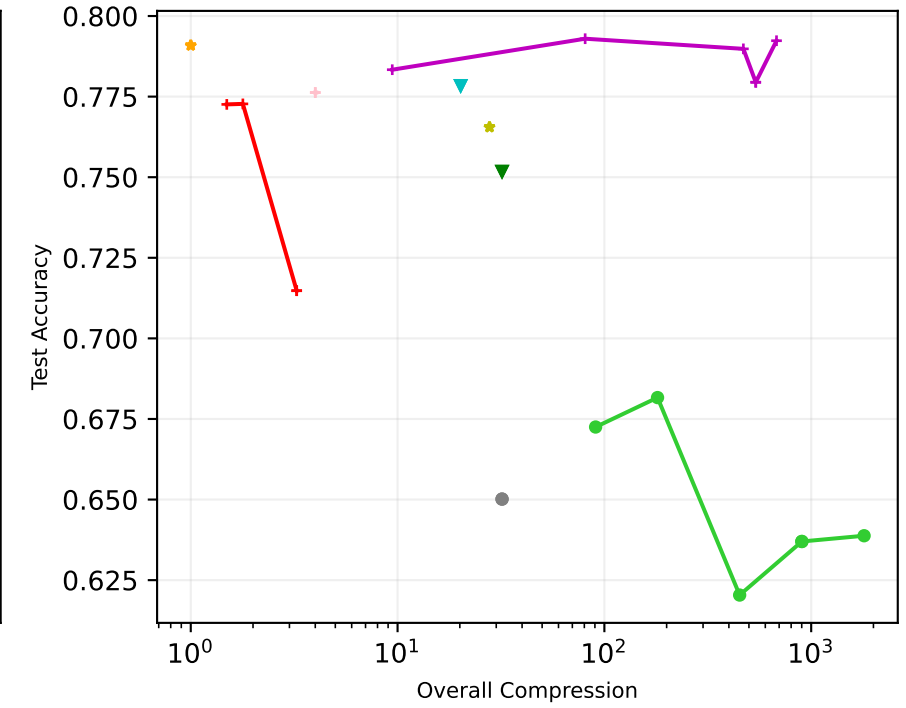
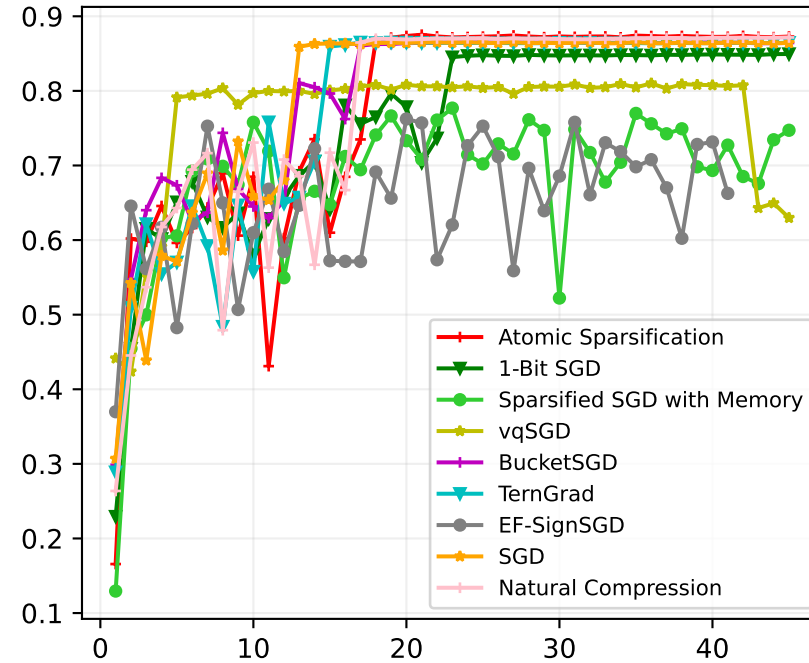


BASELINE_RESNET

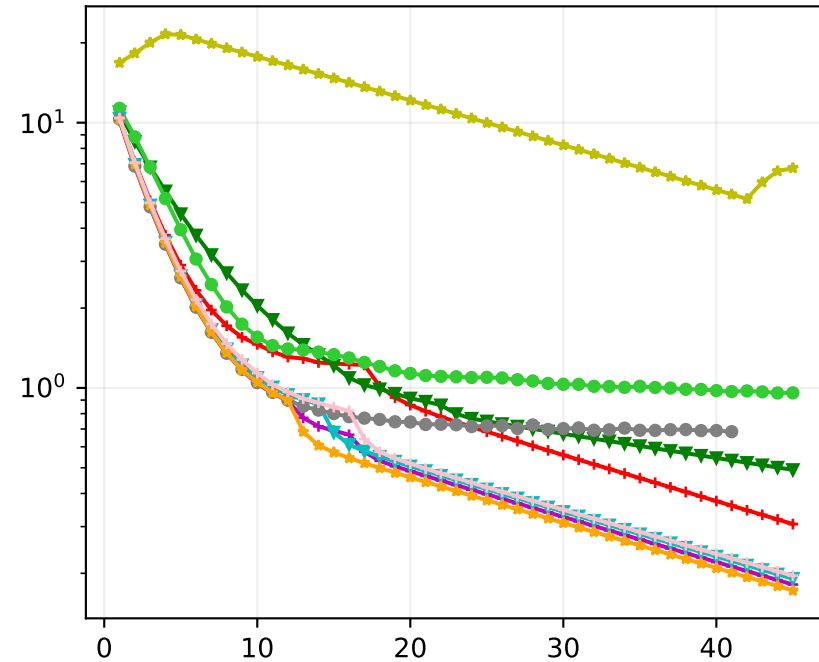
Training Accuracy



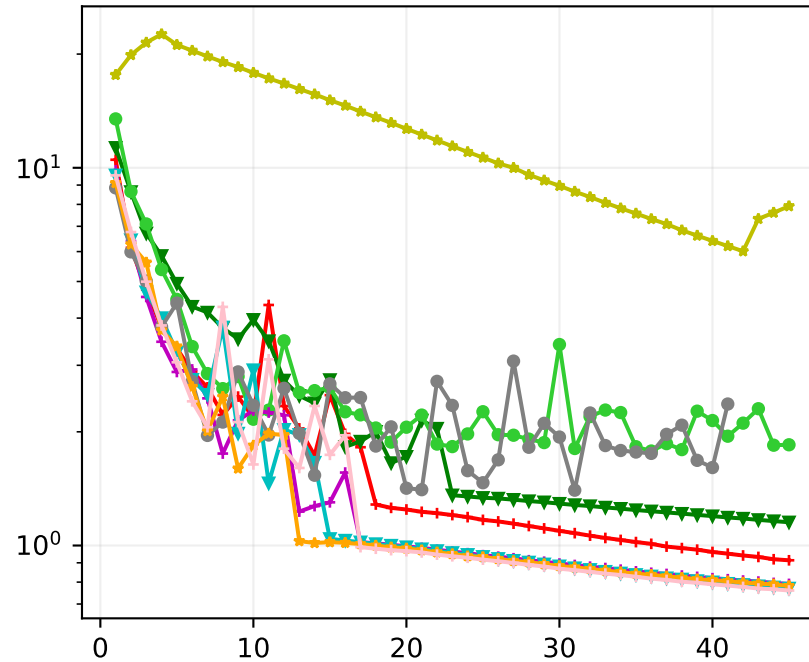
Test Accuracy



Training Loss



Test Loss



Method	Mean Test Acc	Compression Ratio
BucketSGD	79.296	80.73
SGD	79.088	1.0
TernGrad	77.84	20.19
Natural Compression	77.627	4.0
Atomic Sparsification	77.274	1.79
vqSGD	76.555	27.83
1-Bit SGD	75.179	32.0
Sparsified SGD with Memory	68.164	180.73
EF-SignSGD	65.015	32.0