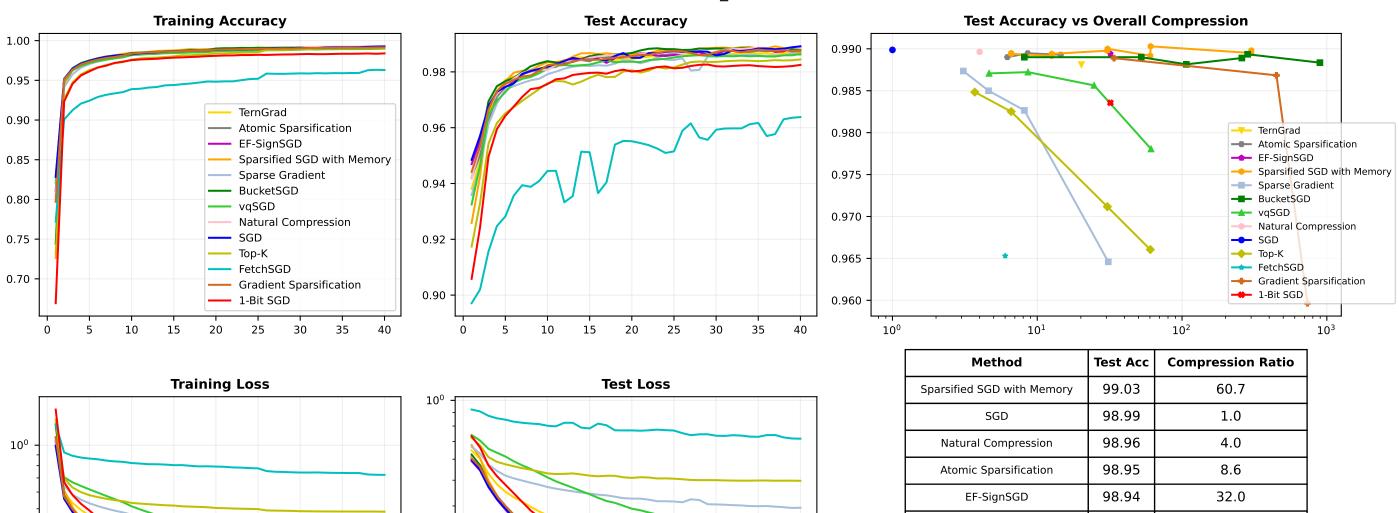
BASELINE_LENET



| 0 5 10 15 20 25 30 35 40 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |
|--------------------------|--|

| Method | Test Acc | Compression Ratio |
|----------------------------|----------|-------------------|
| Sparsified SGD with Memory | 99.03 | 60.7 |
| SGD | 98.99 | 1.0 |
| Natural Compression | 98.96 | 4.0 |
| Atomic Sparsification | 98.95 | 8.6 |
| EF-SignSGD | 98.94 | 32.0 |
| BucketSGD | 98.93 | 283.9 |
| Gradient Sparsification | 98.89 | 33.9 |
| TernGrad | 98.81 | 20.2 |
| Sparse Gradient | 98.74 | 3.1 |
| vqSGD | 98.72 | 8.6 |
| Тор-К | 98.48 | 3.7 |
| 1-Bit SGD | 98.36 | 32.0 |
| FetchSGD | 96.53 | 6.0 |