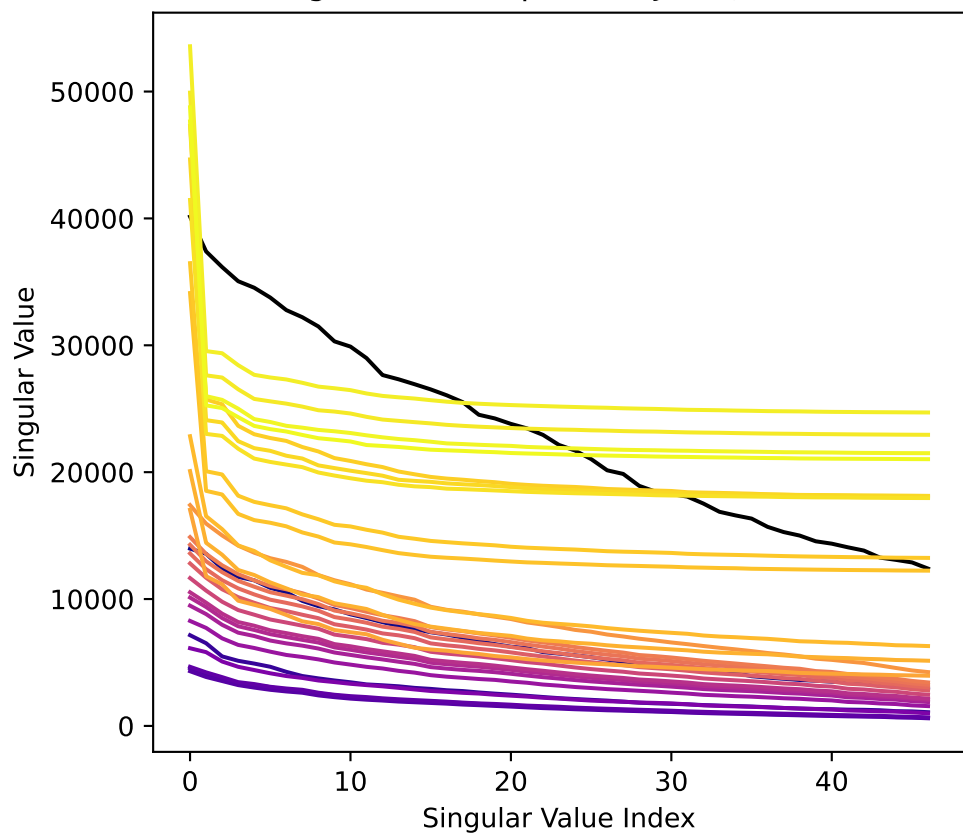
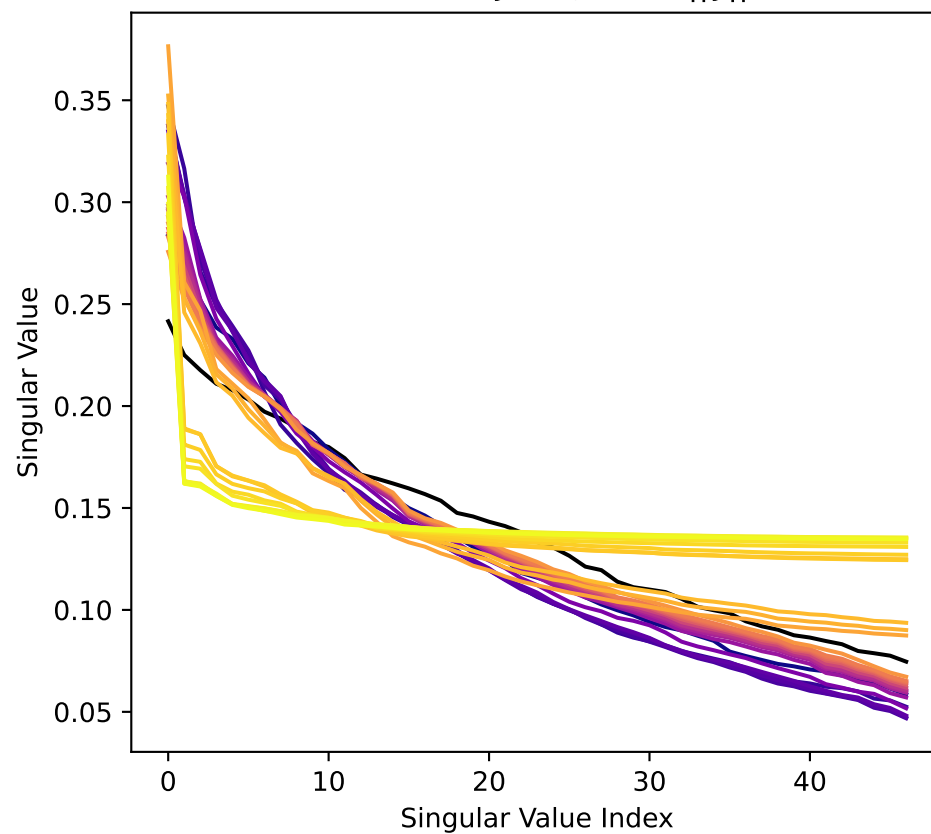


Singular Value Spectra [$J = \nabla_{\theta} f(x; \theta)$]



Normalized [$J = \nabla_{\theta} f(x; \theta) / ||J||_F$]



- untrained
- epoch 1
- epoch 2
- epoch 3
- epoch 4
- epoch 5
- epoch 10
- epoch 20
- epoch 30
- epoch 40
- epoch 50
- epoch 100
- epoch 200
- epoch 300
- epoch 400
- epoch 500
- epoch 1000
- epoch 1500
- epoch 2000
- epoch 2500
- epoch 3000
- epoch 3500
- epoch 4000
- epoch 5000
- epoch 6000
- epoch 7000
- epoch 8000
- epoch 9000
- epoch 10000