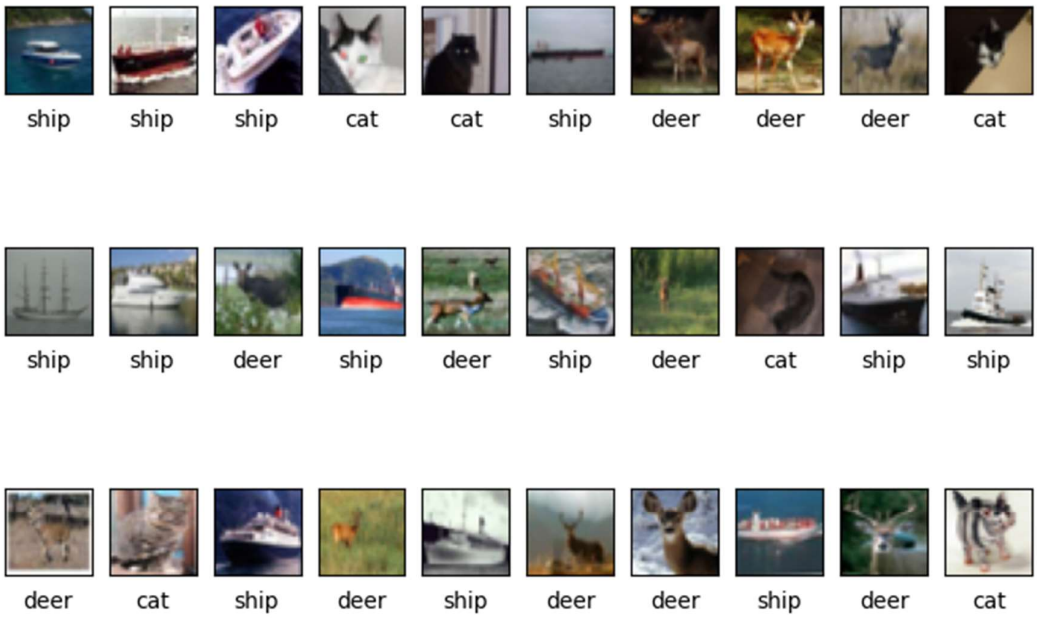


Files already downloaded and verified

Learning 30 batches of size 30 starting with a learning rate of 0.4.

batch 1: correct: 7/30, loss: 1.1121, learning rate: 0.40000

batch 2: correct: 20/30, loss: 0.9245, learning rate: 0.40000

batch 3: correct: 21/30, loss: 0.7339, learning rate: 0.40000

batch 4: correct: 23/30, loss: 0.7317, learning rate: 0.40000

batch 5: correct: 22/30, loss: 0.6435, learning rate: 0.40000

batch 6: correct: 24/30, loss: 0.5430, learning rate: 0.40000

batch 7: correct: 26/30, loss: 0.4443, learning rate: 0.40000

batch 8: correct: 26/30, loss: 0.4150, learning rate: 0.40000

batch 9: correct: 27/30, loss: 0.3761, learning rate: 0.40000

batch 10: correct: 27/30, loss: 0.3468, learning rate: 0.40000

batch 11: correct: 28/30, loss: 0.3166, learning rate: 0.08000

batch 12: correct: 29/30, loss: 0.3022, learning rate: 0.08000

batch 13: correct: 29/30, loss: 0.2842, learning rate: 0.08000

batch 14: correct: 29/30, loss: 0.2707, learning rate: 0.08000

batch 15: correct: 29/30, loss: 0.2601, learning rate: 0.08000

batch 16: correct: 29/30, loss: 0.2519, learning rate: 0.08000

batch 17: correct: 29/30, loss: 0.2452, learning rate: 0.08000

batch 18: correct: 29/30, loss: 0.2399, learning rate: 0.08000

batch 19: correct: 29/30, loss: 0.2350, learning rate: 0.08000

batch 20: correct: 29/30, loss: 0.2303, learning rate: 0.08000

batch 21: correct: 29/30, loss: 0.2259, learning rate: 0.01600

batch 22: correct: 29/30, loss: 0.2250, learning rate: 0.01600

batch 23: correct: 29/30, loss: 0.2241, learning rate: 0.01600

batch 24: correct: 29/30, loss: 0.2233, learning rate: 0.01600

batch 25: correct: 29/30, loss: 0.2225, learning rate: 0.01600

batch 26: correct: 29/30, loss: 0.2216, learning rate: 0.01600

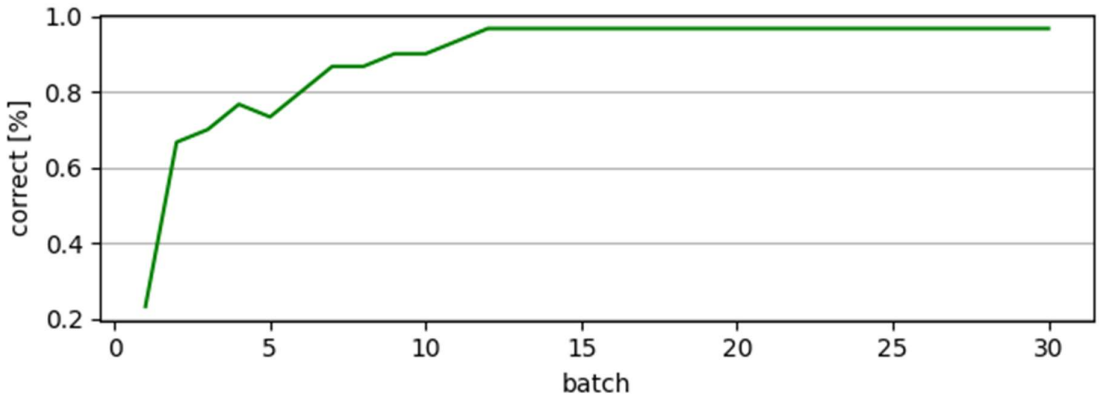
batch 27: correct: 29/30, loss: 0.2208, learning rate: 0.01600

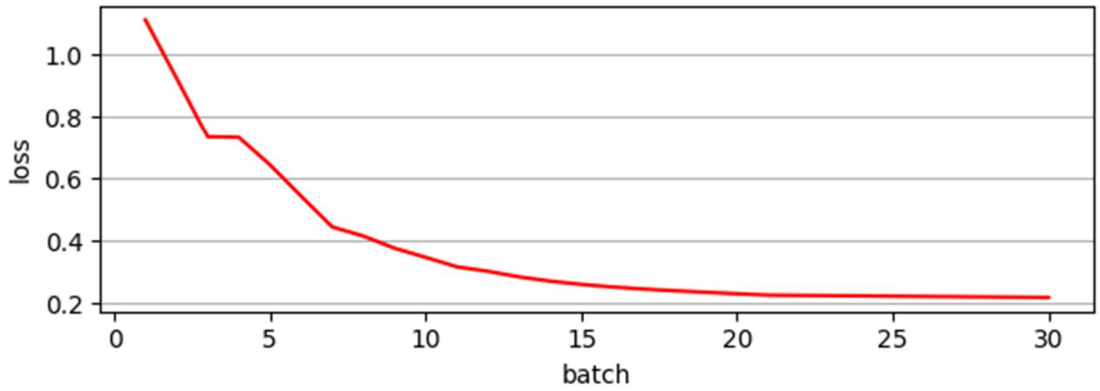
batch 28: correct: 29/30, loss: 0.2200, learning rate: 0.01600

batch 29: correct: 29/30, loss: 0.2192, learning rate: 0.01600

batch 30: correct: 29/30, loss: 0.2184, learning rate: 0.01600

Process finished with exit code 0





Confusion Matrix Cifar10 with Quaternion Neural Network