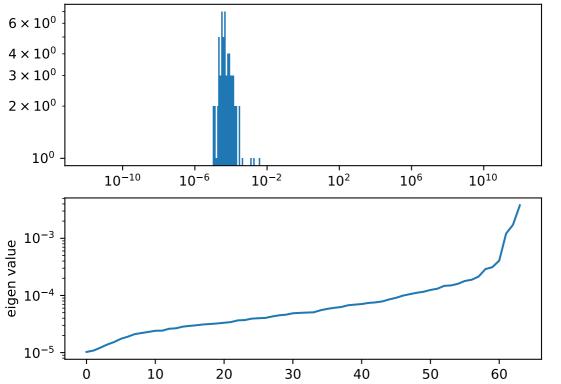
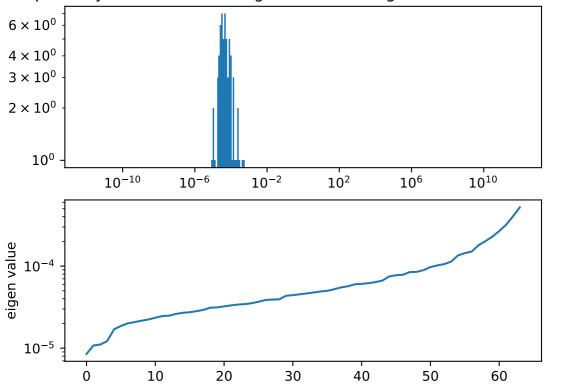
ep: 57 conv1 maxeig: 1.0e+00 mineig: 1.1e-09 con: 9.6e+08 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10 10 10^{-10} 10^{-6} 10² 10⁶ 10^{-2} 10⁰ 10^{-2} eigen value 10^{-4} 10^{-6} 10^{-8} 50 60 10 20 30 40

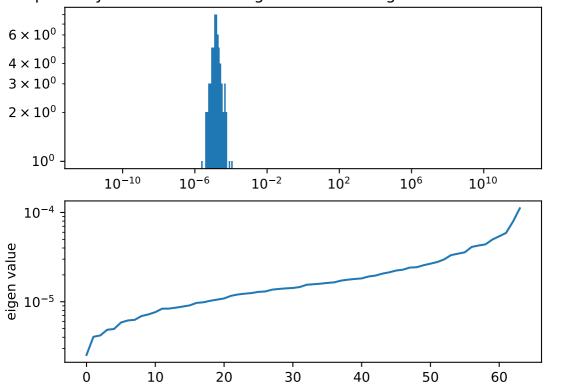
ep: 57 layer1.0.conv1 maxeig: 3.8e-03 mineig: 1.0e-05 con: 3.7e+02



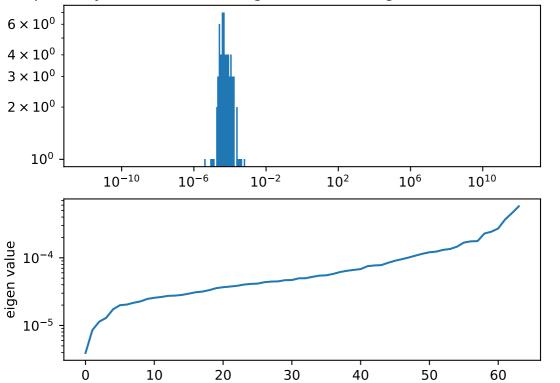
ep: 57 layer1.0.conv2 maxeig: 5.2e-04 mineig: 8.5e-06 con: 6.1e+01



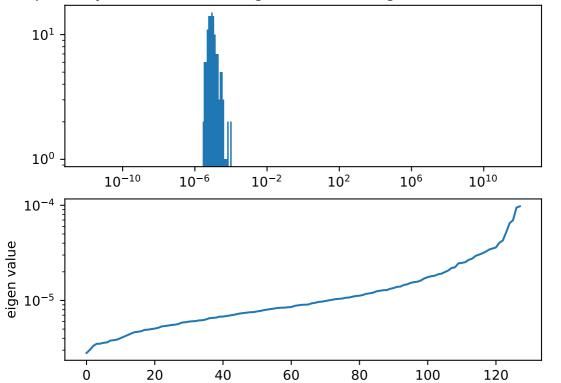
ep: 57 layer1.1.conv1 maxeig: 1.1e-04 mineig: 2.5e-06 con: 4.4e+01



ep: 57 layer1.1.conv2 maxeig: 5.8e-04 mineig: 3.9e-06 con: 1.5e+02



ep: 57 layer2.0.conv1 maxeig: 9.8e-05 mineig: 2.8e-06 con: 3.5e+01



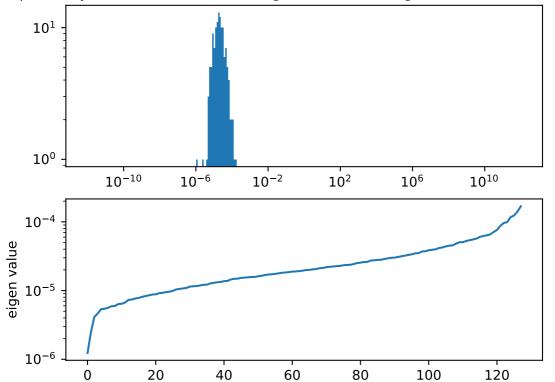
ep: 57 layer2.0.conv2 maxeig: 1.6e-04 mineig: 6.1e-07 con: 2.6e+02 10^{1} 10⁰ 10¹⁰ 10² 10⁻¹⁰ 10-2 10⁶ 10^{-6} 10^{-4} 10^{-5} 10^{-6} 20 60 100 120

80

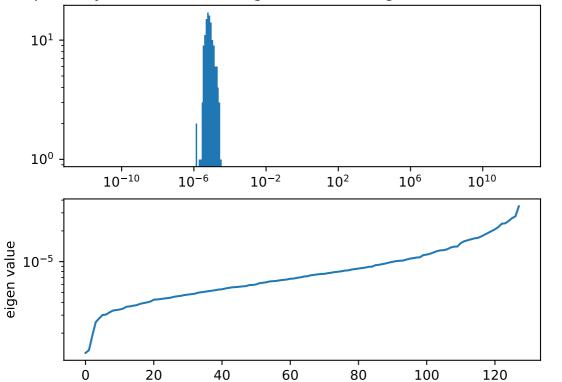
40

eigen value

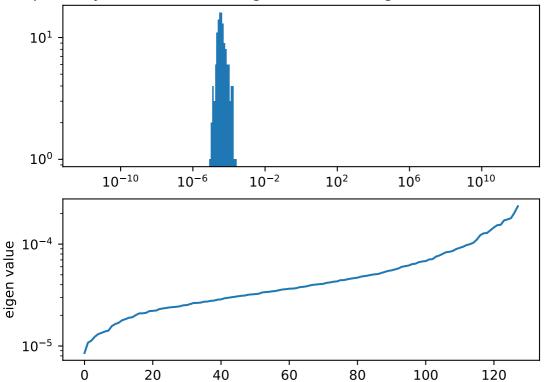
ep: 57 layer2.0.shortcut.0 maxeig: 1.7e-04 mineig: 1.2e-06 con: 1.4e+02



ep: 57 layer2.1.conv1 maxeig: 3.5e-05 mineig: 1.3e-06 con: 2.7e+01

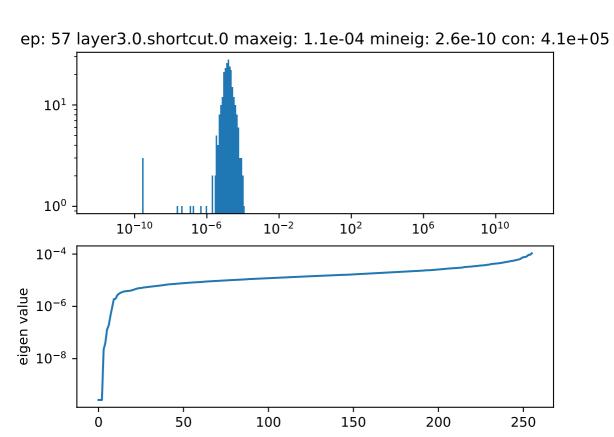


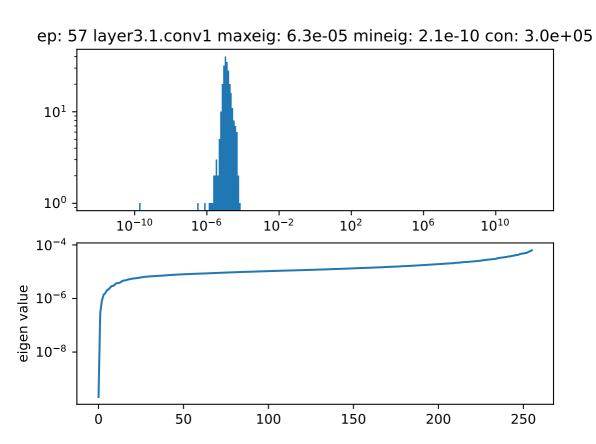
ep: 57 layer2.1.conv2 maxeig: 2.4e-04 mineig: 8.5e-06 con: 2.8e+01



ep: 57 layer3.0.conv1 maxeig: 6.4e-05 mineig: 1.1e-10 con: 6.1e+05 10¹ 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10⁻⁵ eigen value 10^{-7} 10^{-9} 250 50 100 150 200

ep: 57 layer3.0.conv2 maxeig: 1.6e-04 mineig: 5.3e-10 con: 3.0e+05 10^{1} 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10^{-4} eigen value 250 50 100 150 200





ep: 57 layer3.1.conv2 maxeig: 3.1e-04 mineig: 2.3e-06 con: 1.4e+02 10^{1} 10⁰ 10¹⁰ 10² 10-10 10-6 10-2 10⁶ eigen value 10⁻⁴ 250 50 100 150 200

ep: 57 layer4.0.conv1 maxeig: 1.7e-04 mineig: 7.6e-07 con: 2.2e+02 10^{1} 10⁰ 10¹⁰ 10-10 10² 10-2 10⁶ 10^{-6} 10^{-4} eigen value 10^{-5} 10^{-6} 100 500 200 300 400

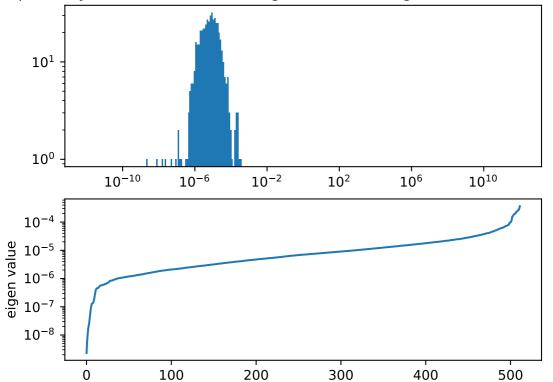
ep: 57 layer4.0.conv2 maxeig: 4.3e-04 mineig: 2.0e-08 con: 2.1e+04 10^{1} 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10^{-4} eigen value 10^{-5} 10^{-6} 10^{-7} 100 500

200

300

400

ep: 57 <u>layer4.0.shortcut.0 maxeig: 3.6e-04 mineig: 2.3e-09 con: 1.6e+05</u>



ep: 57 layer4.1.conv1 maxeig: 1.8e-04 mineig: 6.7e-11 con: 2.6e+06 10¹ 10⁰ 10¹⁰ 10² 10-10 10^{-6} 10-2 10⁶ 10⁻⁵ eigen value 10^{-7} 10^{-9} 100 500

200

300

400

ep: 57 layer4.1.conv2 maxeig: 1.1e-03 mineig: 7.4e-09 con: 1.5e+05

