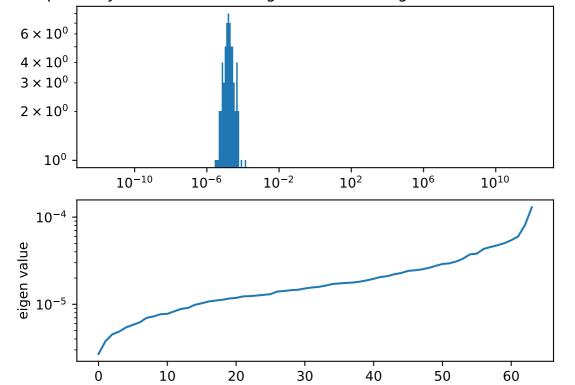


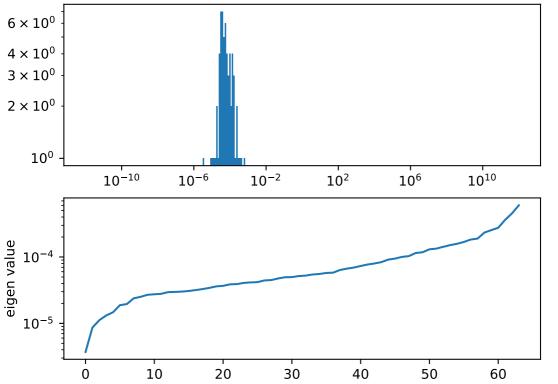
ep: 64 layer1.0.conv1 maxeig: 4.1e-03 mineig: 9.7e-06 con: 4.2e+02 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 1010 10⁻¹⁰ 10^{-6} 10² 10⁶ 10^{-2} eigen value 10⁻⁴ 10⁻⁵ 50 60 10 20 30 40

ep: 64 layer1.0.conv2 maxeig: 5.5e-04 mineig: 8.6e-06 con: 6.4e+01 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10 10 10-10 10^{-6} 10-2 10² 10⁶ eigen value 10^{-4} 10⁻⁵ 50 60 10 20 30 40

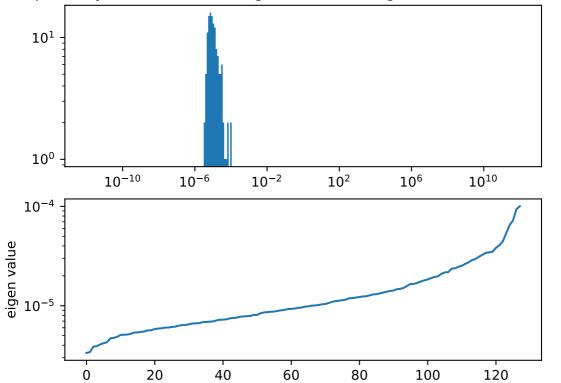
ep: 64 layer1.1.conv1 maxeig: 1.3e-04 mineig: 2.7e-06 con: 4.8e+01



ep: 64 layer1.1.conv2 maxeig: 6.0e-04 mineig: 3.7e-06 con: 1.6e+02



ep: 64 layer2.0.conv1 maxeig: 1.0e-04 mineig: 3.3e-06 con: 3.0e+01



ep: 64 layer2.0.conv2 maxeig: 1.6e-04 mineig: 2.1e-07 con: 7.5e+02 10^{1} 10⁰ 10 10 10² 10-10 10^{-6} 10-2 10⁶ 10^{-4} eigen value 10⁻⁶

60

80

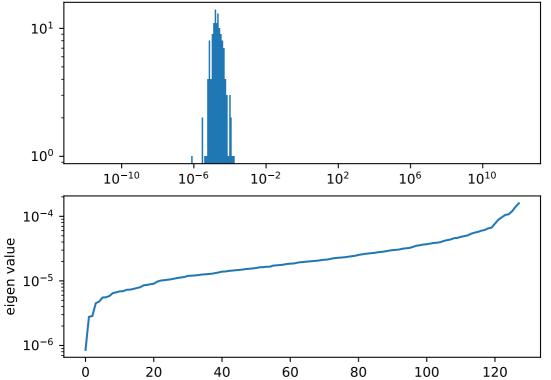
20

40

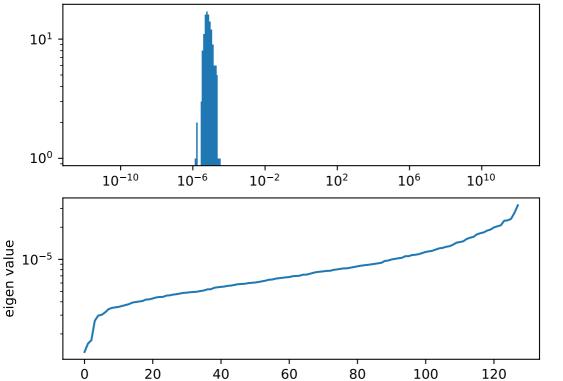
100

120

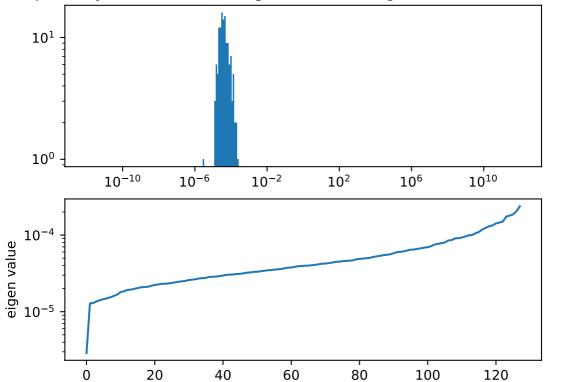
ep: 64 layer2.0.shortcut.0 maxeig: 1.6e-04 mineig: 8.5e-07 con: 1.9e+02

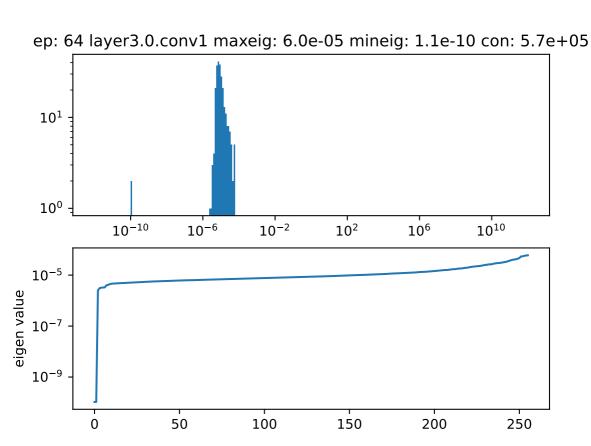


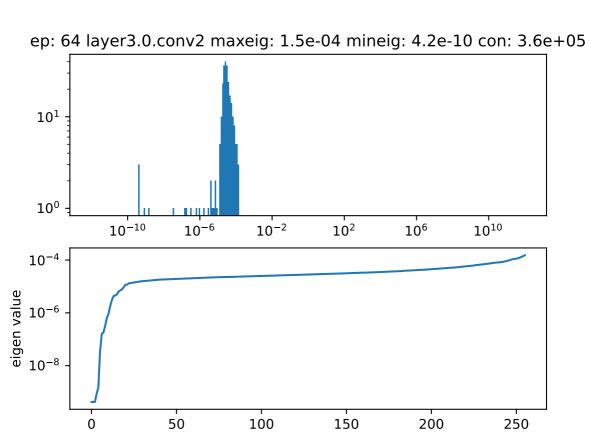
ep: 64 layer2.1.conv1 maxeig: 3.2e-05 mineig: 1.4e-06 con: 2.4e+01

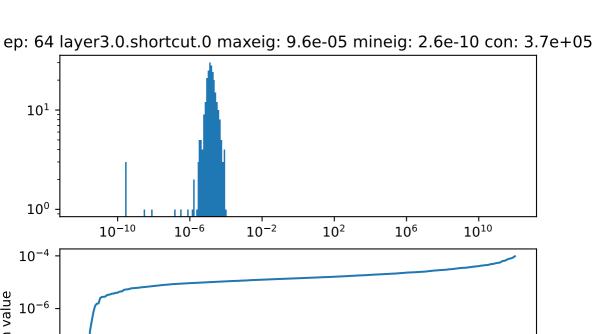


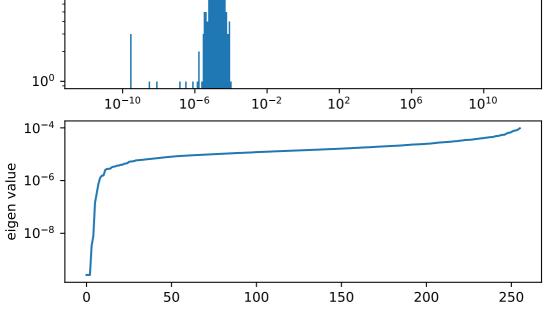
ep: 64 layer2.1.conv2 maxeig: 2.4e-04 mineig: 2.9e-06 con: 8.2e+01

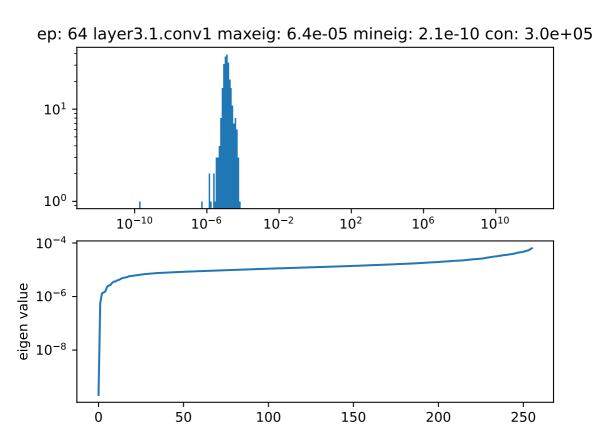












ep: 64 layer3.1.conv2 maxeig: 3.2e-04 mineig: 3.2e-06 con: 9.9e+01 10^{1} 10⁰ 10¹⁰ 10-10 10² 10-6 10-2 10⁶ eigen value 10⁻⁵ 250 50 100 150 200

ep: 64 layer4.0.conv1 maxeig: 1.5e-04 mineig: 8.0e-07 con: 1.9e+02 10^{1} 10⁰ 10¹⁰ 10-10 10² 10-6 10-2 10⁶ 10^{-4} eigen value 10^{-5} 10^{-6} 100 500 200 300 400

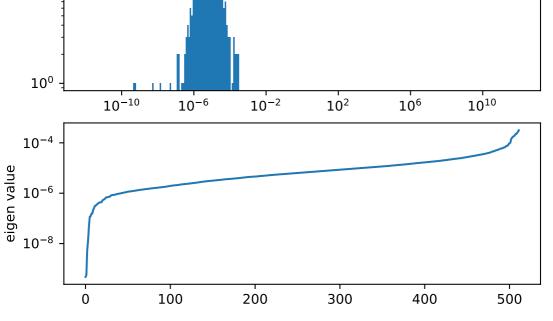
ep: 64 layer4.0.conv2 maxeig: 4.3e-04 mineig: 2.1e-09 con: 2.0e+05 10^{1} 10⁰ 1010 10^{-10} 10^{-6} 10-2 10² 10⁶ 10^{-4} e ide on 10⁻⁵ on 10⁻⁶ ie 10⁻⁷ 10^{-6} 10^{-8} 100 500

200

300

400

ep: 64 layer4.0.shortcut.0 maxeig: 3.2e-04 mineig: 4.7e-10 con: 6.7e+05 10^{1} 10⁰ 1010 10-10 10^{-6} 10-2 10² 10⁶ 10^{-4}



ep: 64 layer4.1.conv1 maxeig: 1.8e-04 mineig: 5.8e-11 con: 3.1e+06 10^{1} 10⁰ 10¹⁰ 10-10 10² 10^{-6} 10-2 10⁶ 10⁻⁵ 10^{-7} 10^{-9} 100 200 500 300 400

eigen value

ep: 64 layer4.1.conv2 maxeig: 1.2e-03 mineig: 6.1e-09 con: 1.9e+05

