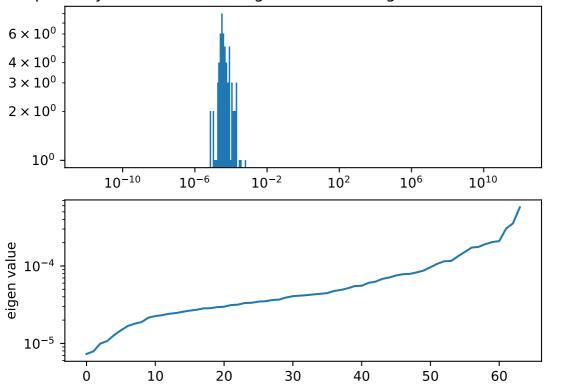


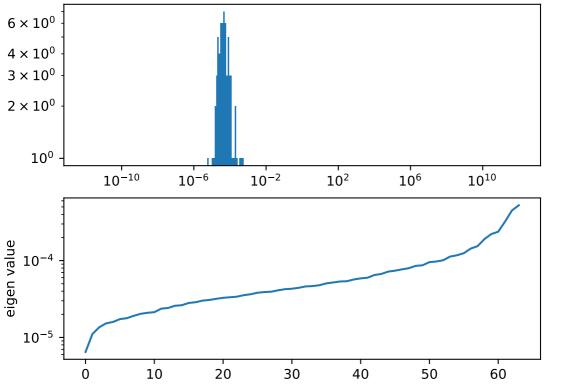
ep: 27 layer1.0.conv1 maxeig: 1.6e-03 mineig: 9.6e-06 con: 1.6e+02 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10 10 10-10 10^{-2} 10² 10⁶ 10^{-6} 10⁻³ eigen value 10^{-4} 10⁻⁵ 50 60 10 20 30 40

ep: 27 layer1.0.conv2 maxeig: 5.7e-04 mineig: 7.3e-06 con: 7.8e+01

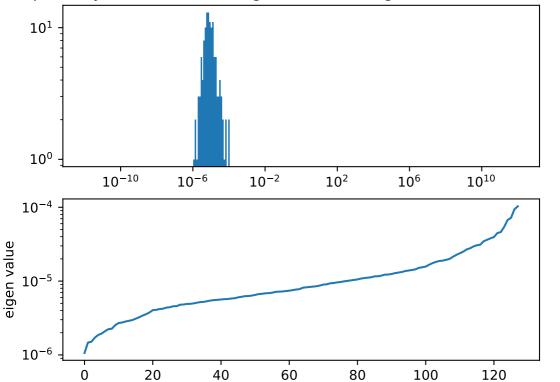


ep: 27 layer1.1.conv1 maxeig: 9.3e-05 mineig: 2.5e-06 con: 3.8e+01 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10¹⁰ 10-10 10-2 10² 10⁶ 10^{-6} 10^{-4} eigen value 50 60 10 20 30 40

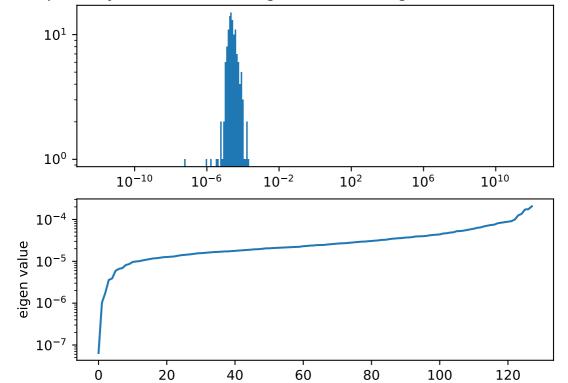
ep: 27 layer1.1.conv2 maxeig: 5.3e-04 mineig: 6.5e-06 con: 8.1e+01



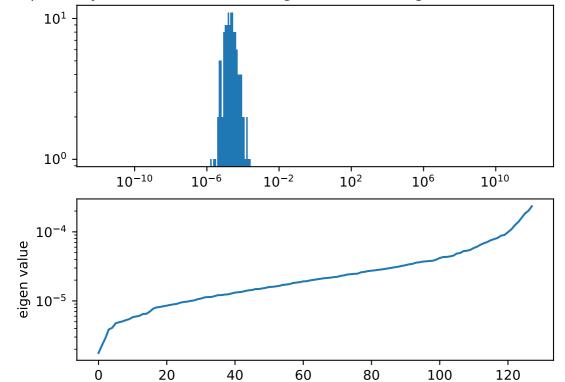
ep: 27 layer2.0.conv1 maxeig: 1.0e-04 mineig: 1.1e-06 con: 9.7e+01



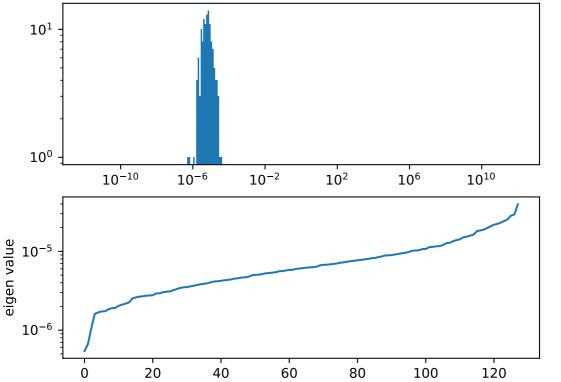
ep: 27 layer2.0.conv2 maxeig: 2.1e-04 mineig: 6.5e-08 con: 3.2e+03



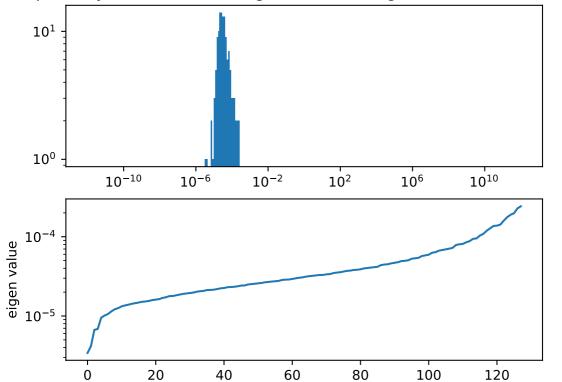
ep: 27 layer2.0.shortcut.0 maxeig: 2.3e-04 mineig: 1.8e-06 con: 1.3e+02



ep: 27 layer2.1.conv1 maxeig: 4.0e-05 mineig: 5.4e-07 con: 7.3e+01

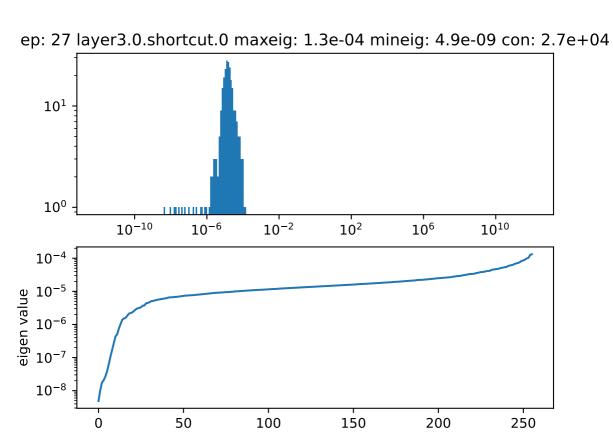


ep: 27 layer2.1.conv2 maxeig: 2.4e-04 mineig: 3.4e-06 con: 7.1e+01



ep: 27 layer3.0.conv1 maxeig: 7.0e-05 mineig: 4.7e-09 con: 1.5e+04 10¹ 10⁰ 1010 10^{-10} 10-2 10² 10⁶ 10^{-6} 10^{-4} 10⁻⁵ 10⁻⁵ ed den value 10⁻⁶ 10⁻⁷ 10^{-6} 250 50 100 150 200

ep: 27 layer3.0.conv2 maxeig: 2.0e-04 mineig: 4.2e-09 con: 4.8e+04 10^{1} 10⁰ 1010 10-2 10² 10⁶ 10^{-10} 10^{-6} 10^{-4} e in $\frac{10^{-5}}{10^{-6}}$ $\frac{10^{-6}}{10^{-7}}$ 10⁻⁵ 10-8 250 50 100 150 200



ep: 27 layer3.1.conv1 maxeig: 5.9e-05 mineig: 1.5e-08 con: 4.0e+03 10^{1} 10⁰ 10 10 10^{-10} 10-2 10² 10⁶ 10^{-6} eigen value 10⁻⁵ 10^{-7}

100

150

200

50

250

ep: 27 layer3.1.conv2 maxeig: 3.0e-04 mineig: 1.1e-06 con: 2.6e+02 10¹ 10⁰ 10¹⁰ 10-10 10² 10-6 10-2 10⁶ eiden value 10^{-4} 10^{-5} 10^{-6} 250 50 100 150 200

ep: 27 layer4.0.conv1 maxeig: 1.8e-04 mineig: 5.1e-07 con: 3.5e+02 10^{1} 10⁰ 10¹⁰ 10-10 10² 10-2 10⁶ 10^{-6} 10^{-4} 10⁻⁵ 10^{-6} 100 500 200 300 400

eigen value

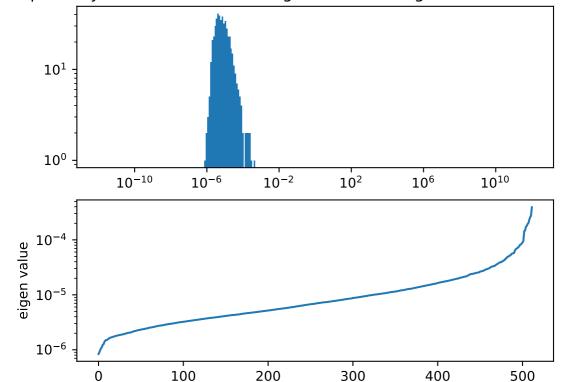
ep: 27 layer4.0.conv2 maxeig: 4.0e-04 mineig: 3.4e-07 con: 1.2e+03 10^{1} 10⁰ 10¹⁰ 10² 10^{-10} 10-6 10-2 10⁶ 10^{-4} eigen value 10⁻⁵ 10^{-6} 100 500

200

300

400

ep: 27 layer4.0.shortcut.0 maxeig: 3.9e-04 mineig: 8.4e-07 con: 4.7e+02



ep: 27 layer4.1.conv1 maxeig: 1.2e-04 mineig: 4.7e-09 con: 2.6e+04 10^{1} 10⁰ 10 10 10-10 10² 10-2 10⁶ 10^{-6} 10^{-4} 10⁻⁵ engen 10⁻⁵ 10⁻⁶ 10⁻⁷ 10-8 100 500 200 300 400

ep: 27 layer4.1.conv2 maxeig: 8.9e-04 mineig: 2.3e-07 con: 3.9e+03 10¹ 10⁰ 10¹⁰ 10-10 10^{-2} 10² 10⁶ 10^{-6} 10^{-3} 10^{-4} eigen value 10⁻⁵ 10^{-6} 100 500 200 300 400

