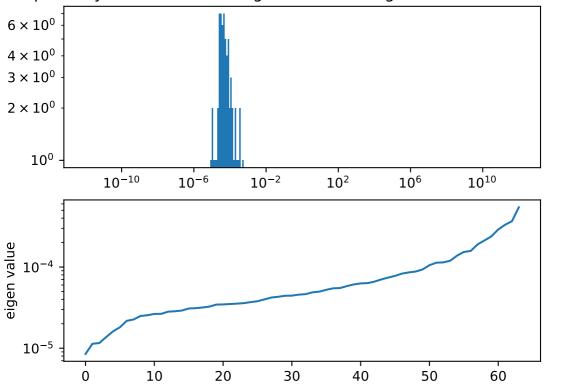
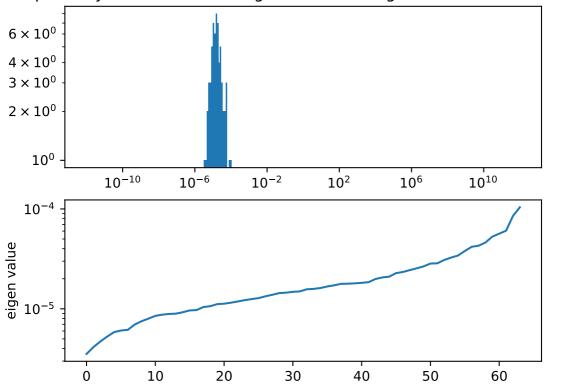
ep: 45 conv1 maxeig: 1.4e+00 mineig: 5.7e-08 con: 2.5e+07 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10 10 10-10 10^{-6} 10^{-2} 10² 10⁶ 10⁰ 10^{-2} eigen value 10^{-4} 10^{-6} 50 60 10 20 30 40

ep: 45 layer1.0.conv1 maxeig: 3.4e-03 mineig: 9.1e-06 con: 3.7e+02 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 1010 10-10 10² 10⁶ 10^{-6} 10^{-2} eigen value 1 10⁻⁵ 30 50 60 10 20 40

ep: 45 layer1.0.conv2 maxeig: 5.5e-04 mineig: 8.5e-06 con: 6.4e+01

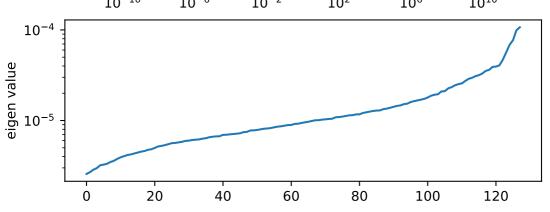


ep: 45 layer1.1.conv1 maxeig: 1.0e-04 mineig: 3.5e-06 con: 2.9e+01

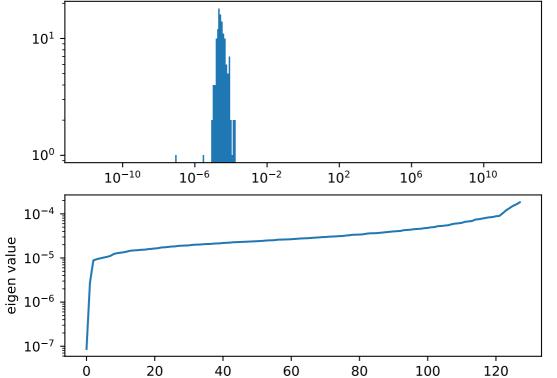


ep: 45 layer1.1.conv2 maxeig: 5.8e-04 mineig: 6.3e-06 con: 9.2e+01 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10 10 10-10 10^{-6} 10^{-2} 10² 10⁶ eigen value 10^{-4} 10⁻⁵ 50 60 10 20 30 40

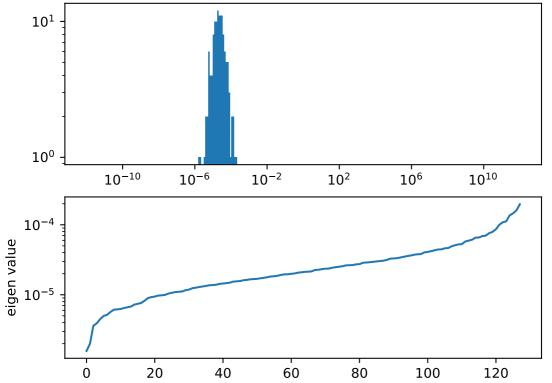
ep: 45 layer2.0.conv1 maxeig: 1.1e-04 mineig: 2.6e-06 con: 4.2e+01 10^{1} 10⁰ 10¹⁰ 10² 10-10 10-6 10-2 10⁶



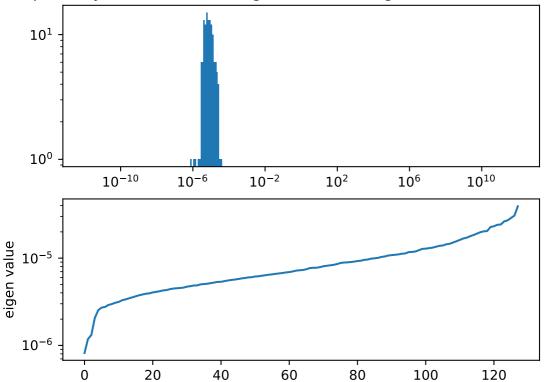
ep: 45 layer2.0.conv2 maxeig: 1.8e-04 mineig: 8.7e-08 con: 2.1e+03



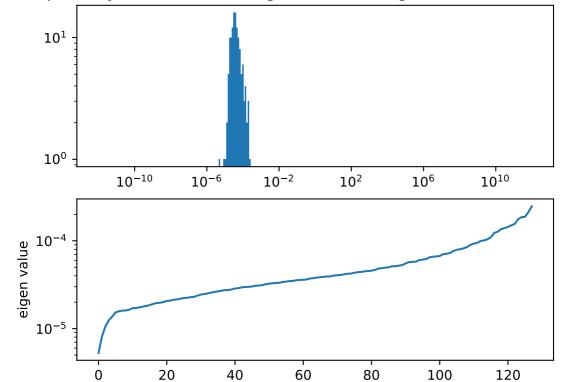
ep: 45 layer2.0.shortcut.0 maxeig: 2.0e-04 mineig: 1.6e-06 con: 1.2e+02



ep: 45 layer2.1.conv1 maxeig: 3.9e-05 mineig: 8.2e-07 con: 4.8e+01

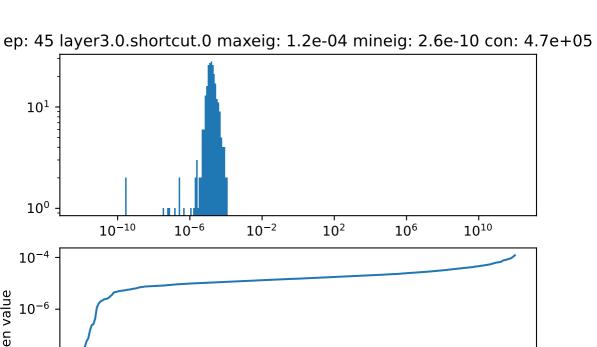


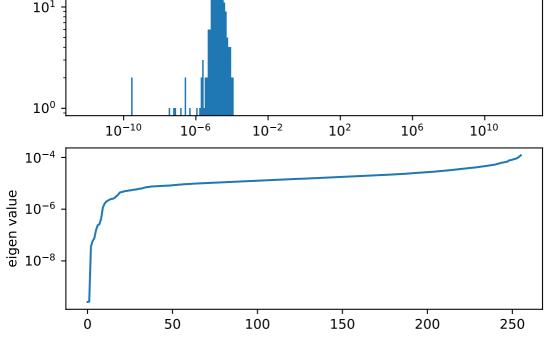
ep: 45 layer2.1.conv2 maxeig: 2.5e-04 mineig: 5.3e-06 con: 4.7e+01

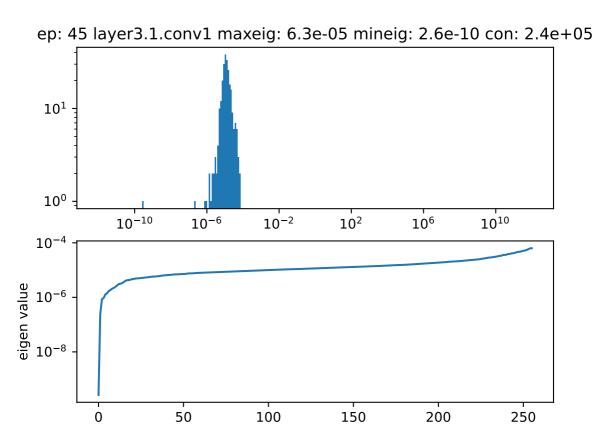


ep: 45 layer3.0.conv1 maxeig: 7.3e-05 mineig: 1.0e-10 con: 7.1e+05 10¹ 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10⁻⁵ eigen value 10^{-9} 250 50 100 150 200

ep: 45 layer3.0.conv2 maxeig: 1.8e-04 mineig: 5.2e-10 con: 3.4e+05 10^{1} 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10^{-4} eigen value 10₋₈ 250 50 100 150 200





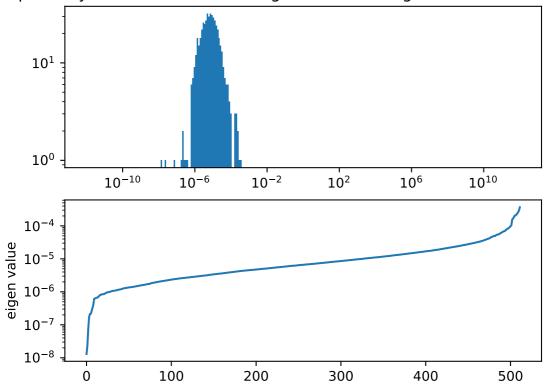


ep: 45 layer3.1.conv2 maxeig: 3.0e-04 mineig: 1.8e-06 con: 1.7e+02 10^{1} 10⁰ 10¹⁰ 10-10 10² 10-6 10-2 10⁶ eigen value 10⁻⁴ 250 50 100 150 200

ep: 45 layer4.0.conv1 maxeig: 1.6e-04 mineig: 8.1e-07 con: 2.0e+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: 45 layer4.0.conv2 maxeig: 4.5e-04 mineig: 4.0e-08 con: 1.1e+04 10¹ 10⁰ 10 10 10-10 10² 10^{-6} 10-2 10⁶ 10^{-4} eigen value 10⁻⁶ 10^{-7} 100 500 200 300 400

ep: 45 | layer4.0.shortcut.0 maxeig: 3.7e-04 mineig: 1.3e-08 con: 2.8e+04



ep: 45 layer4.1.conv1 maxeig: 1.7e-04 mineig: 8.1e-11 con: 2.1e+06 10^{1} 10⁰ 10¹⁰ 10⁻¹⁰ 10² 10^{-6} 10-2 10⁶ 10⁻⁵ eigen value 10^{-7} 10^{-9}

200

300

400

500

100

ep: 45 layer4.1.conv2 maxeig: 1.1e-03 mineig: 4.8e-08 con: 2.4e+04 10¹ 10⁰ 10 10 10-10 10^{-6} 10^{-2} 10² 10⁶ 10^{-3} $\frac{9}{10^{-4}}$ $\frac{10^{-4}}{10^{-5}}$ $\frac{10^{-6}}{10^{-6}}$ 10^{-4} 10^{-7} 100 500 200 300 400

