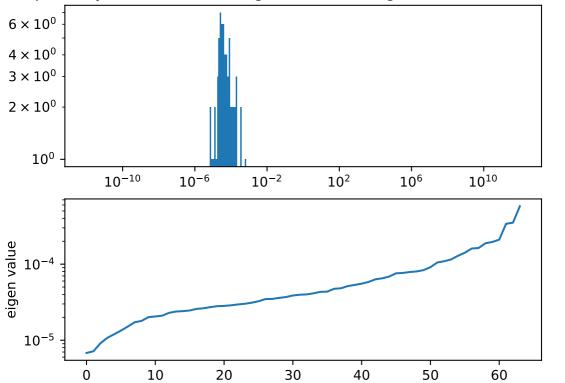


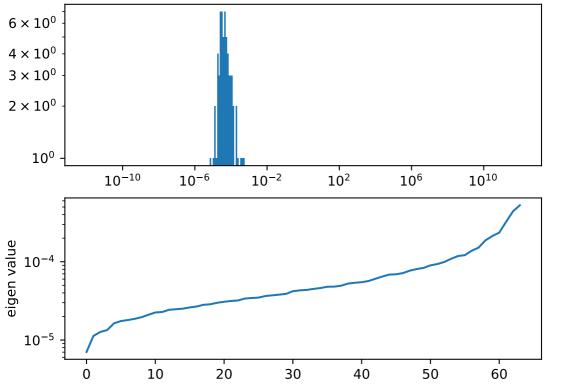
ep: 24 layer1.0.conv1 maxeig: 1.2e-03 mineig: 9.5e-06 con: 1.3e+02 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10^{-3} eigen value 10^{-4} 10^{-5} 50 60 10 20 30 40

ep: 24 layer1.0.conv2 maxeig: 5.8e-04 mineig: 6.8e-06 con: 8.5e+01



ep: 24 layer1.1.conv1 maxeig: 8.4e-05 mineig: 2.3e-06 con: 3.6e+01 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10¹⁰ 10-10 10^{-6} 10-2 10² 10⁶ eigen value 50 60 10 20 30 40

ep: 24 layer1.1.conv2 maxeig: 5.3e-04 mineig: 7.0e-06 con: 7.5e+01



ep: 24 layer2.0.conv1 maxeig: 1.0e-04 mineig: 7.4e-07 con: 1.4e+02 10^{1} 10⁰ 10¹⁰ 10² 10-10 10-2 10⁶ 10^{-6} 10^{-4} 10⁻⁵ 10^{-6}

60

80

100

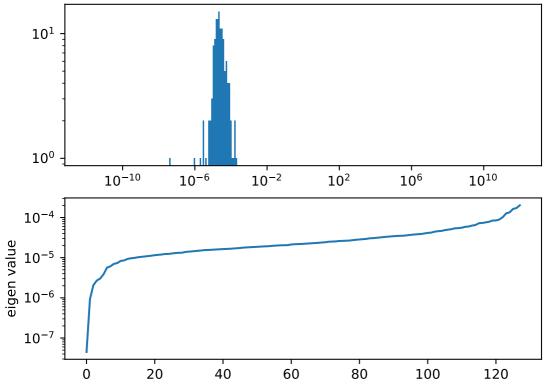
120

eigen value

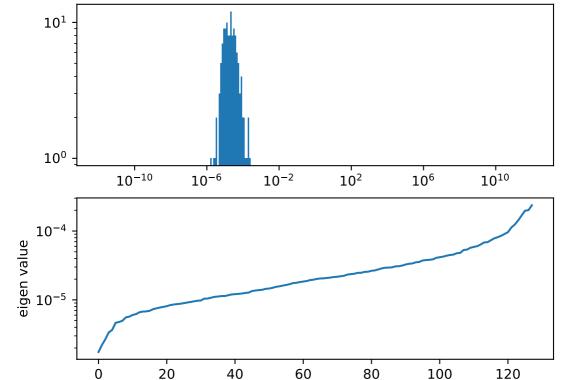
20

40

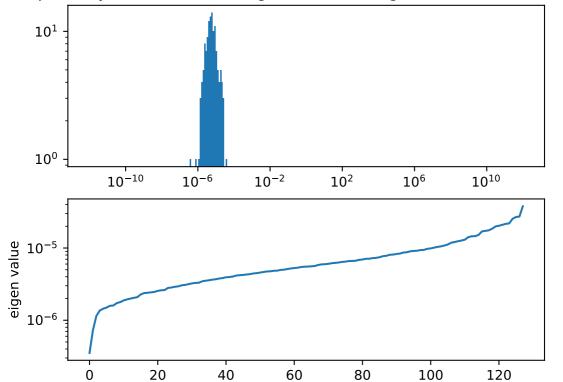
ep: 24 layer2.0.conv2 maxeig: 2.0e-04 mineig: 4.5e-08 con: 4.5e+03



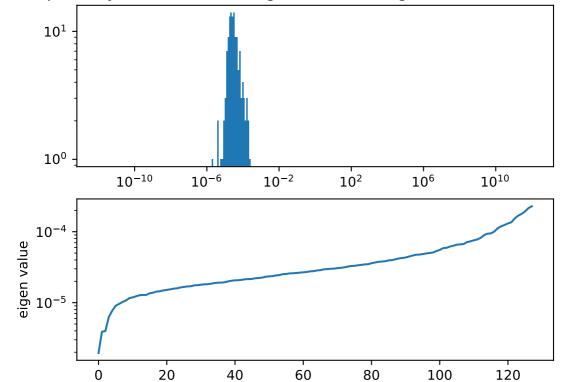
ep: 24 layer2.0.shortcut.0 maxeig: 2.4e-04 mineig: 1.8e-06 con: 1.4e+02



ep: 24 layer2.1.conv1 maxeig: 3.8e-05 mineig: 3.5e-07 con: 1.1e+02



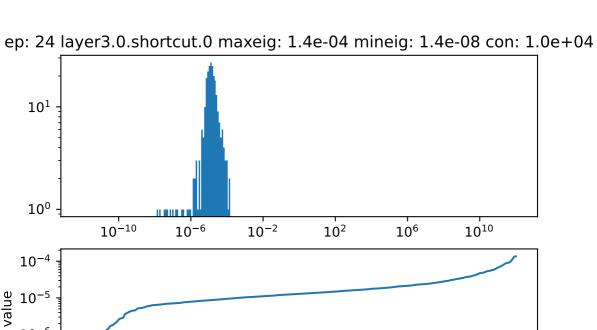
ep: 24 layer2.1.conv2 maxeig: 2.3e-04 mineig: 2.0e-06 con: 1.2e+02

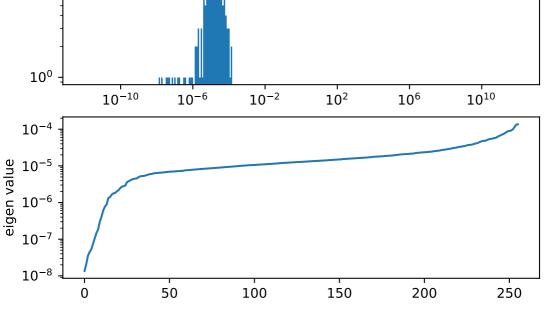


ep: 24 layer3.0.conv1 maxeig: 6.8e-05 mineig: 1.5e-08 con: 4.4e+03 10¹ 10⁰ 10¹⁰ 10² 10-10 10-2 10⁶ 10^{-6} 10^{-4} 10⁻⁵ eigen value 10^{-6} 10^{-7} 250 50 100 150 200

ep: 24 layer3.0.conv2 maxeig: 2.0e-04 mineig: 1.3e-08 con: 1.6e+04 10^{1} 10⁰ 1010 10^{-10} 10^{-6} 10-2 10² 10⁶ 10^{-4} 10⁻⁵ 10^{-6} 10^{-7} 10-8 250 50 100 150 200

eigen value





ep: 24 layer3.1.conv1 maxeig: 5.7e-05 mineig: 4.8e-08 con: 1.2e+03 10¹ 10⁰ 10¹⁰ 10² 10-10 10^{-6} 10-2 10⁶ eigen value 1' 10^{-7}

100

150

200

50

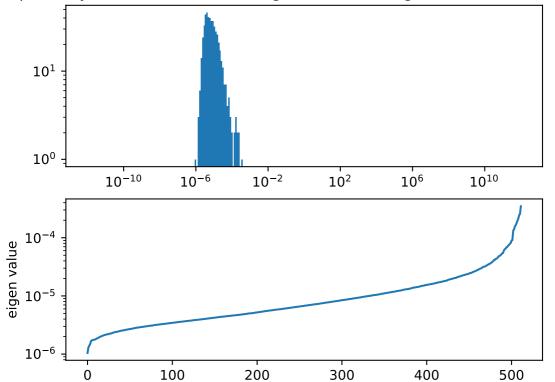
250

ep: 24 layer3.1.conv2 maxeig: 2.8e-04 mineig: 1.5e-06 con: 1.9e+02 10¹ 10⁰ 10¹⁰ 10-10 10² 10-6 10-2 10⁶ 10^{-4} engen value 10⁻⁵ 50 250 100 150 200

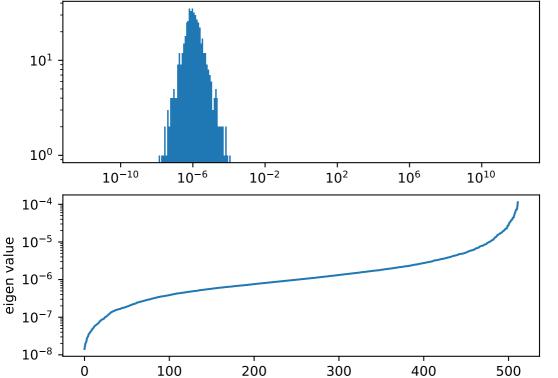
ep: 24 layer4.0.conv1 maxeig: 1.7e-04 mineig: 4.0e-07 con: 4.1e+02 10^{1} 10⁰ 10¹⁰ 10² 10⁻¹⁰ 10-2 10⁶ 10^{-6} 10^{-4} eigen value 10⁻⁵ 10^{-6} 100 500 200 300 400

ep: 24 layer4.0.conv2 maxeig: 3.4e-04 mineig: 5.0e-07 con: 6.8e+02 10¹ 10⁰ 10¹⁰ 10-10 10² 10-6 10-2 10⁶ 10^{-4} eigen value 10⁻⁵ 10^{-6} 100 500 200 300 400

ep: 24 layer4.0.shortcut.0 maxeig: 3.5e-04 mineig: 1.0e-06 con: 3.3e+02



ep: 24 layer4.1.conv1 maxeig: 1.1e-04 mineig: 1.4e-08 con: 7.9e+03



ep: 24 layer4.1.conv2 maxeig: 6.3e-04 mineig: 5.1e-07 con: 1.2e+03 10^{1} 10⁰ 10 10 10-10 10-6 10-2 10² 10⁶ 10^{-4} eigen value 10⁻⁵ 10^{-6}

200

300

500

400

100

