ep: 47 conv1 maxeig: 1.5e+00 mineig: 2.5e-08 con: 6.0e+07 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10¹⁰ 10^{-10} 10² 10⁶ 10^{-6} 10^{-2} 10⁰ 10^{-2} eigen value 10^{-4} 10^{-6} 30 50 60 10 20 40

ep: 47 layer1.0.conv1 maxeig: 3.7e-03 mineig: 9.7e-06 con: 3.8e+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 10⁻³ 10⁻⁵ 50 60 10 20 30 40

ep: 47 layer1.0.conv2 maxeig: 5.7e-04 mineig: 7.4e-06 con: 7.7e+01 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10 10 10-10 10^{-6} 10-2 10² 10⁶ 10^{-4} 10⁻⁵

30

40

50

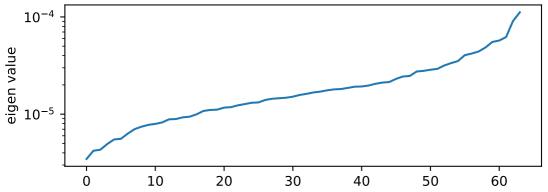
60

eigen value

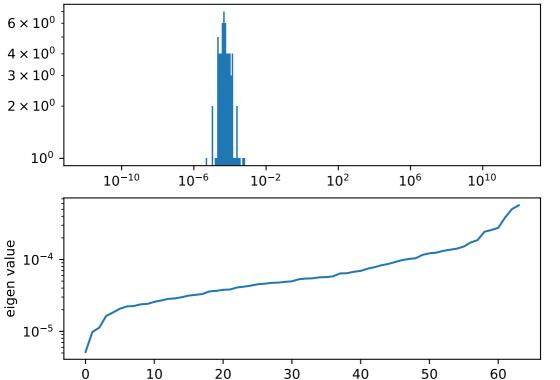
10

20

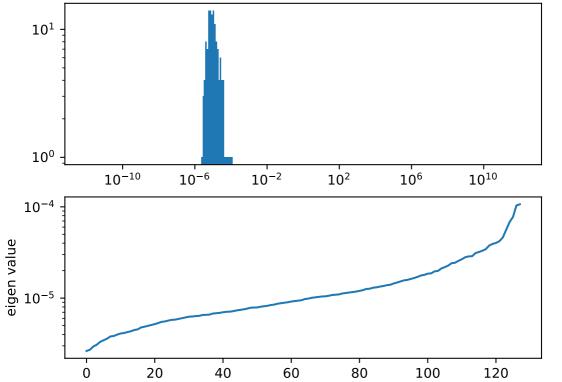
ep: 47 layer1.1.conv1 maxeig: 1.1e-04 mineig: 3.5e-06 con: 3.2e+01 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 10 10 10-10 10-2 10² 10⁶ 10^{-6} 10^{-4}



ep: 47 layer1.1.conv2 maxeig: 5.7e-04 mineig: 5.2e-06 con: 1.1e+02



ep: 47 layer2.0.conv1 maxeig: 1.1e-04 mineig: 2.6e-06 con: 4.0e+01



ep: 47 layer2.0.conv2 maxeig: 1.8e-04 mineig: 1.6e-07 con: 1.1e+03 10^{1} 10⁰ 10¹⁰ 10² 10-10 10^{-6} 10-2 10⁶ 10^{-4} eigen value 10⁻⁵

60

80

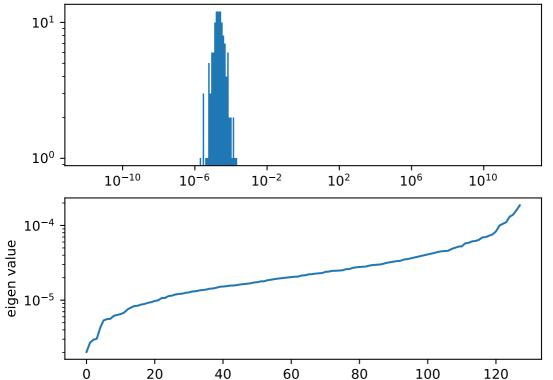
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40

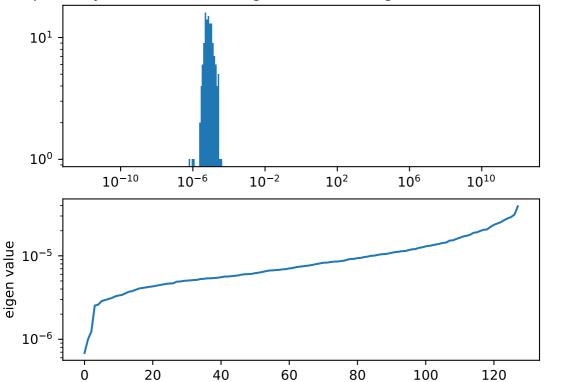
100

120

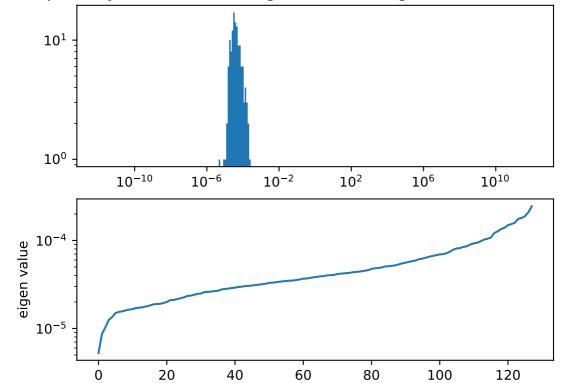
ep: 47 layer2.0.shortcut.0 maxeig: 1.9e-04 mineig: 2.0e-06 con: 9.2e+01



ep: 47 layer2.1.conv1 maxeig: 3.9e-05 mineig: 6.9e-07 con: 5.7e+01

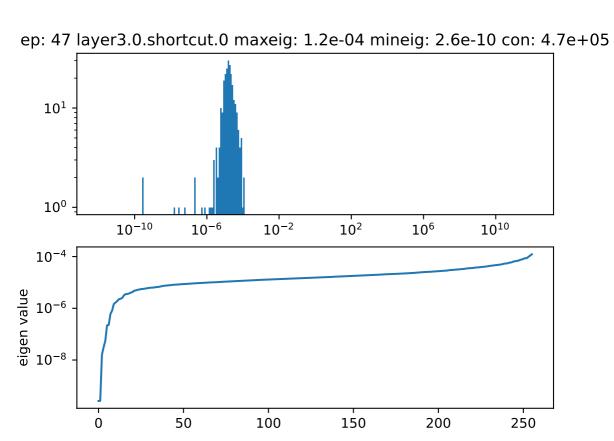


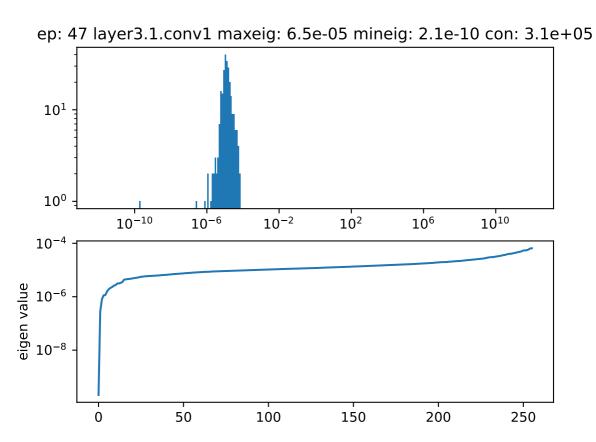
ep: 47 layer2.1.conv2 maxeig: 2.4e-04 mineig: 5.3e-06 con: 4.6e+01



ep: 47 layer3.0.conv1 maxeig: 7.3e-05 mineig: 1.0e-10 con: 7.0e+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: 47 layer3.0.conv2 maxeig: 1.8e-04 mineig: 5.3e-10 con: 3.5e+05 10^{1} 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10^{-4} eigen value 10₋₈ 250 50 100 150 200



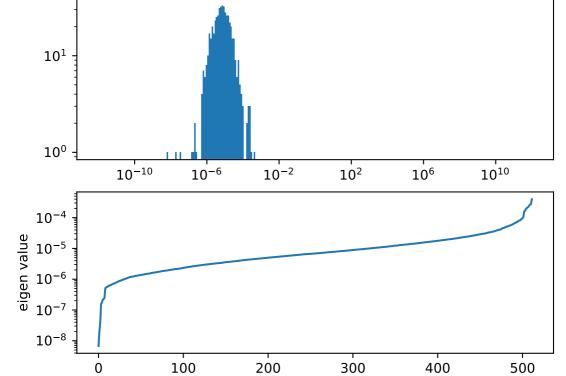


ep: 47 layer3.1.conv2 maxeig: 3.1e-04 mineig: 1.9e-06 con: 1.7e+02 10^{1} 10⁰ 10¹⁰ 10-10 10² 10-6 10-2 10⁶ eigen value 10⁻⁴ 250 50 100 150 200

ep: 47 layer4.0.conv1 maxeig: 1.7e-04 mineig: 8.7e-07 con: 2.0e+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: 47 layer4.0.conv2 maxeig: 4.7e-04 mineig: 1.9e-08 con: 2.4e+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: 47 layer4.0.shortcut.0 maxeig: 4.0e-04 mineig: 6.8e-09 con: 5.8e+04 10^{1}



ep: 47 layer4.1.conv1 maxeig: 1.7e-04 mineig: 6.1e-11 con: 2.7e+06 10^{1} 10⁰ 10¹⁰ 10² 10-10 10^{-6} 10-2 10⁶ 10^{-5} 10^{-7} 10⁻⁹

200

300

400

500

100

eigen value

ep: 47 layer4.1.conv2 maxeig: 1.2e-03 mineig: 5.8e-08 con: 2.1e+04 10¹ 10⁰ 10 10 10-10 10^{-6} 10^{-2} 10² 10⁶ 10^{-3} 10^{-4} 10^{-7} 100 500 200 300 400

