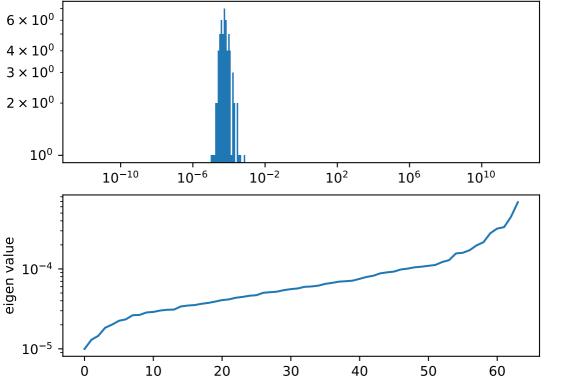


ep: 82 layer1.0.conv1 maxeig: 4.4e-03 mineig: 9.7e-06 con: 4.5e+02 6×10^{0} 4×10^{0} 3×10^{0} 2×10^{0} 10⁰ 1010 10-10 10^{-6} 10² 10⁶ 10^{-2} eigen value 10⁻³ 10^{-5} 50 60 10 20 30 40

ep: 82 layer1.0.conv2 maxeig: 6.8e-04 mineig: 1.0e-05 con: 6.8e+01



ep: 82 layer1.1.conv1 maxeig: 1.6e-04 mineig: 5.4e-06 con: 2.9e+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} eigen value 10⁻⁵

40

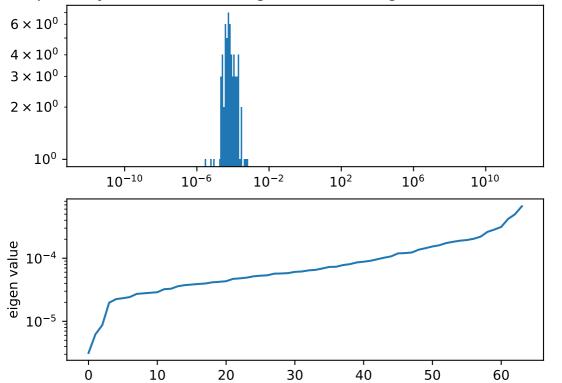
10

20

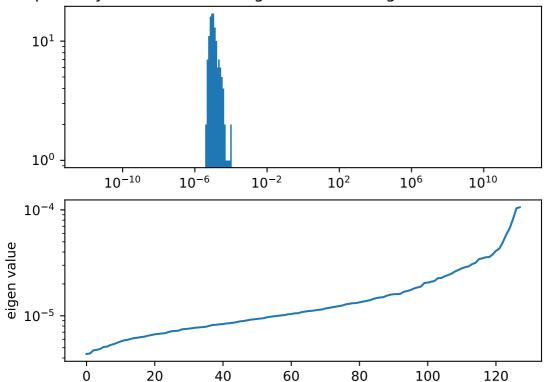
50

60

ep: 82 layer1.1.conv2 maxeig: 6.7e-04 mineig: 3.1e-06 con: 2.1e+02

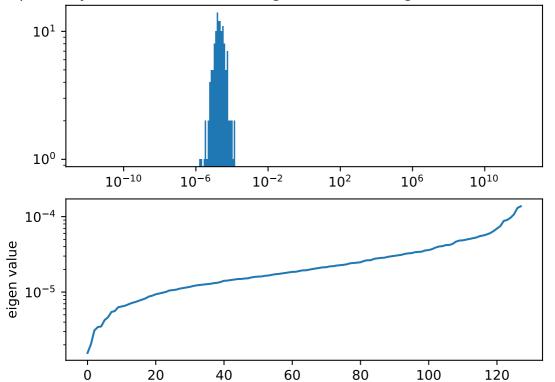


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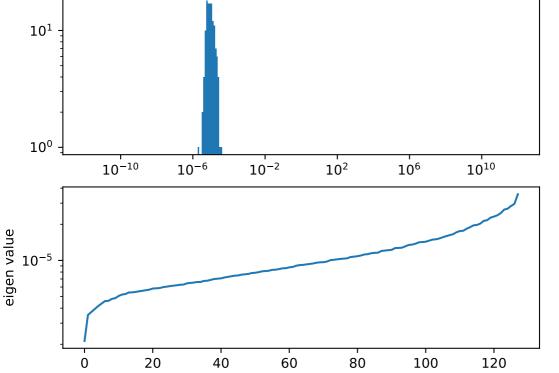


ep: 82 layer2.0.conv2 maxeig: 1.6e-04 mineig: 1.6e-06 con: 9.8e+01 10^{1} 10⁰ 10¹⁰ 10-2 10² 10⁻¹⁰ 10^{-6} 10⁶ 10^{-4} eigen value 60 100 120 20 40 80

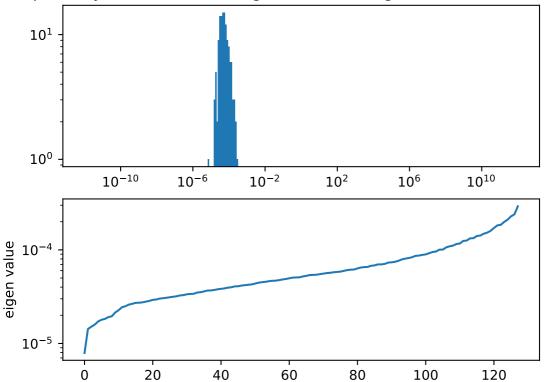
ep: 82 layer2.0.shortcut.0 maxeig: 1.4e-04 mineig: 1.6e-06 con: 8.8e+01

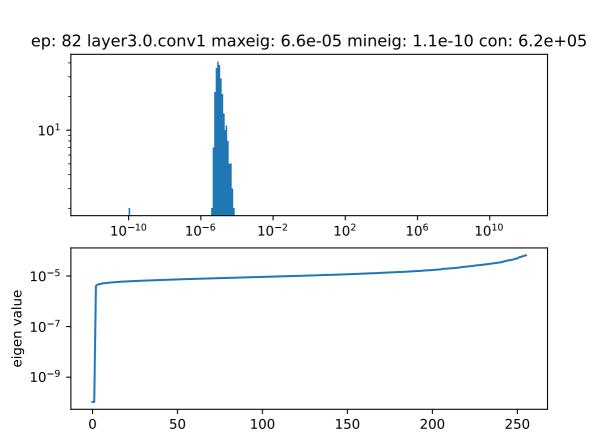


ep: 82 layer2.1.conv1 maxeig: 3.6e-05 mineig: 2.1e-06 con: 1.7e+01 10^{1}

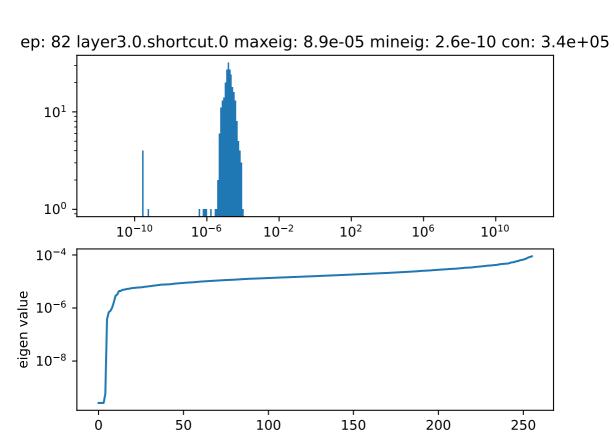


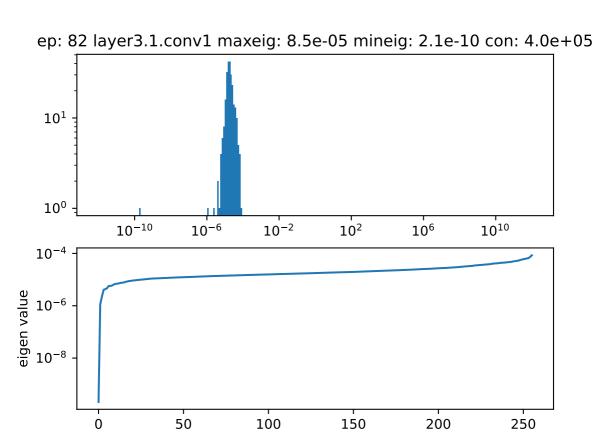
ep: 82 layer2.1.conv2 maxeig: 2.9e-04 mineig: 7.9e-06 con: 3.7e+01





ep: 82 layer3.0.conv2 maxeig: 1.6e-04 mineig: 4.2e-10 con: 3.8e+05 10^{1} 10⁰ 10-10 1010 10^{-6} 10-2 10² 10⁶ 10^{-4} eigen value 250 50 100 150 200





ep: 82 layer3.1.conv2 maxeig: 4.3e-04 mineig: 4.9e-06 con: 8.7e+01 10^{1} 10⁰ 10¹⁰ 10-10 10² 10^{-6} 10-2 10⁶ 10^{-4} 10⁻⁵

150

200

50

250

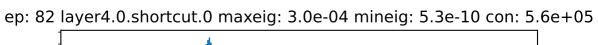
eigen value

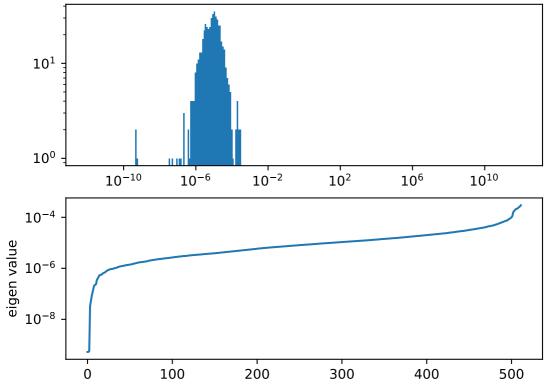
ep: 82 layer4.0.conv1 maxeig: 1.8e-04 mineig: 1.2e-06 con: 1.5e+02 10^{1} 10⁰ 10¹⁰ 10-10 10² 10-2 10⁶ 10^{-6} 10^{-4} eigen value 10⁻⁵ 10^{-6} 100 500 200 300 400

ep: 82 layer4.0.conv2 maxeig: 5.2e-04 mineig: 8.4e-10 con: 6.2e+05 10¹ 10⁰ 10-10 1010 10^{-6} 10-2 10² 10⁶ 10^{-4} eigen value 10^{-6} 10-8 100 500

300

400





ep: 82 layer4.1.conv1 maxeig: 3.0e-04 mineig: 1.5e-11 con: 2.0e+07 10¹ 10⁰ 10¹⁰ 10-10 10² 10^{-6} 10-2 10⁶ 10^{-4} 10^{-6} 10-8 10^{-10}

300

400

500

100

eigen value

ep: 82 layer4.1.conv2 maxeig: 1.4e-03 mineig: 1.1e-09 con: 1.3e+06

