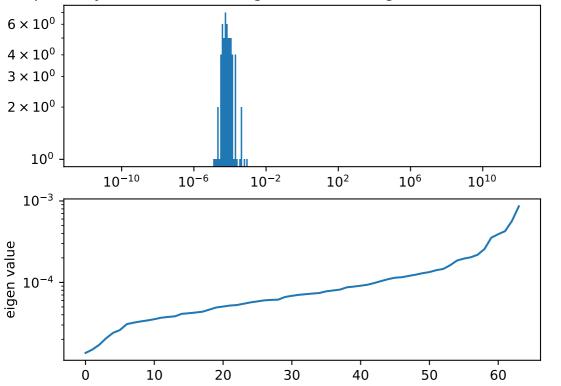
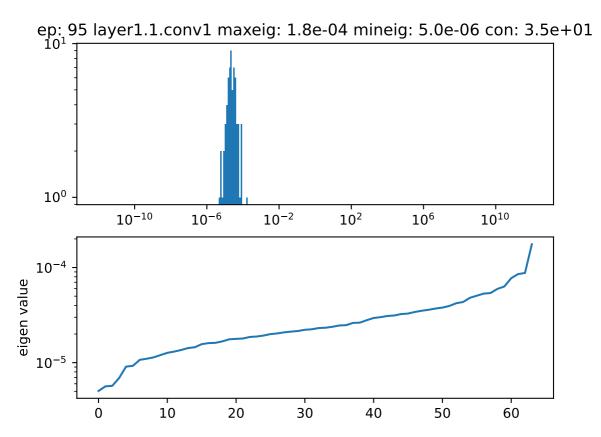
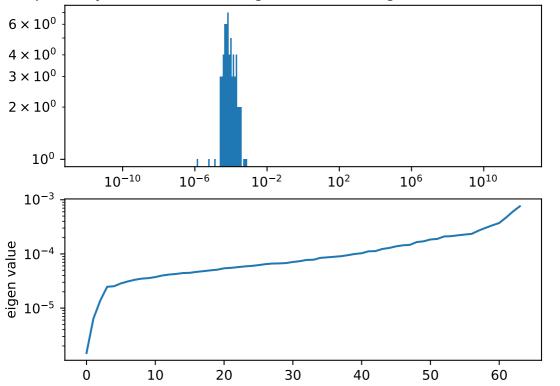


ep: 95 layer1.0.conv2 maxeig: 8.6e-04 mineig: 1.4e-05 con: 6.3e+01

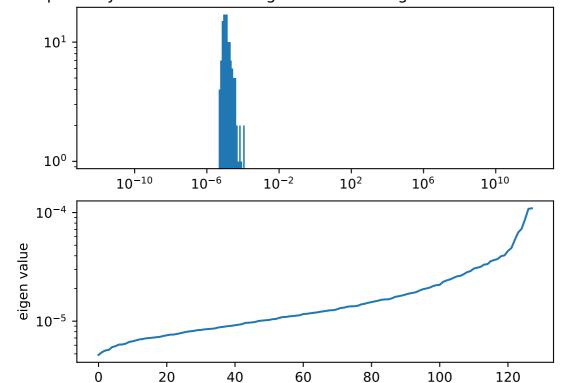




ep: 95 layer1.1.conv2 maxeig: 7.6e-04 mineig: 1.5e-06 con: 5.1e+02



ep: 95 layer2.0.conv1 maxeig: 1.1e-04 mineig: 4.9e-06 con: 2.2e+01



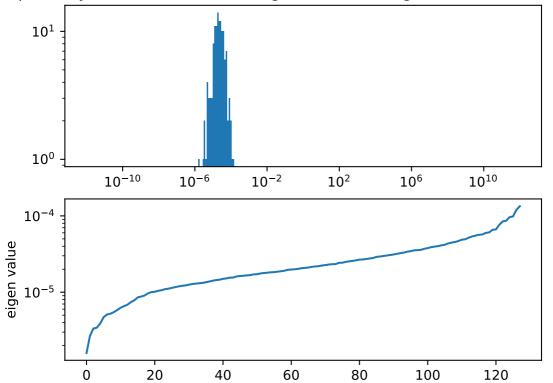
ep: 95 layer2.0.conv2 maxeig: 1.7e-04 mineig: 2.3e-06 con: 7.1e+01  $10^{1}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10-2 10<sup>2</sup>  $10^{-6}$ 10<sup>6</sup>  $10^{-4}$ eigen value 10<sup>-5</sup> 60 100 120

80

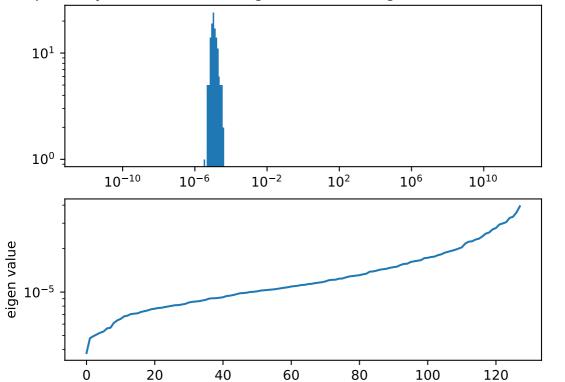
20

40

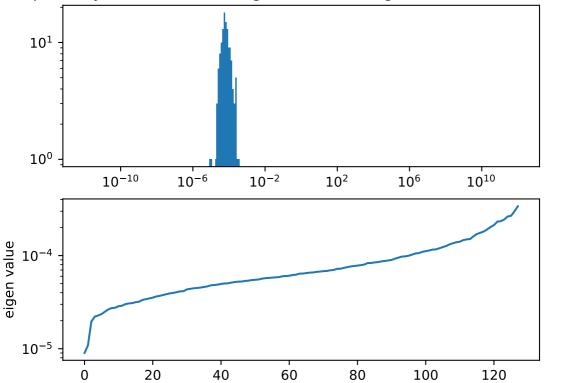
ep: 95 layer2.0.shortcut.0 maxeig: 1.3e-04 mineig: 1.6e-06 con: 8.4e+01

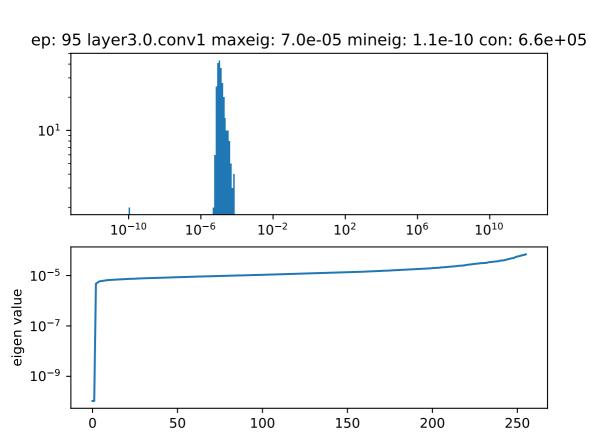


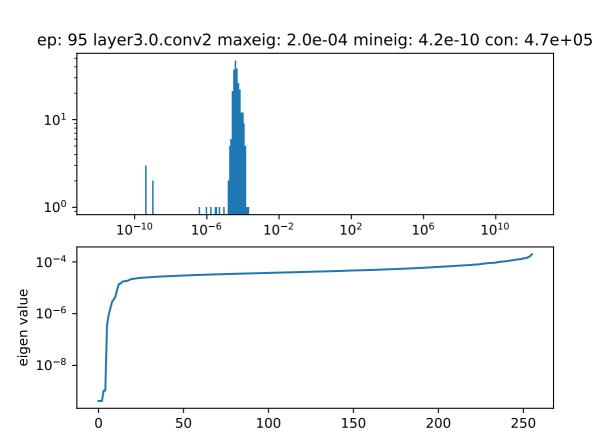
ep: 95 layer2.1.conv1 maxeig: 3.9e-05 mineig: 3.8e-06 con: 1.0e+01

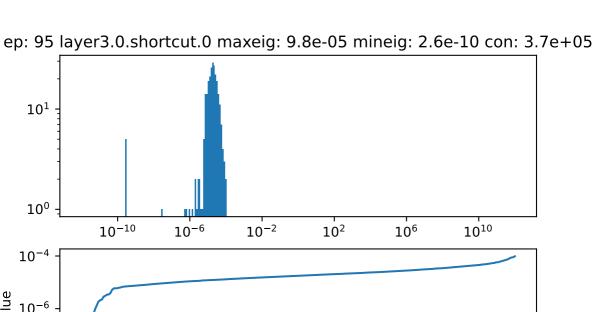


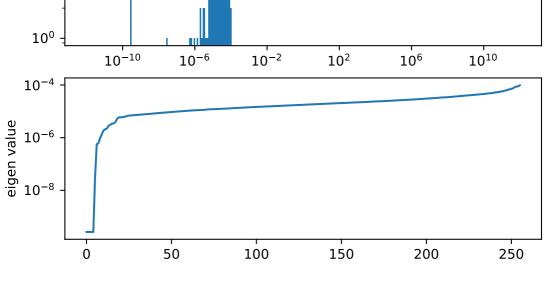
ep: 95 layer2.1.conv2 maxeig: 3.4e-04 mineig: 9.0e-06 con: 3.8e+01

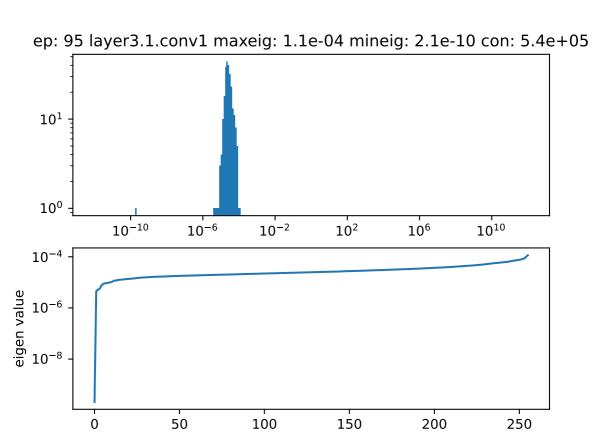












ep: 95 layer3.1.conv2 maxeig: 6.1e-04 mineig: 8.1e-06 con: 7.5e+01  $10^{1}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10<sup>2</sup>  $10^{-2}$ 10<sup>6</sup>  $10^{-6}$  $10^{-4}$ 10<sup>-5</sup> 250 50 100 150 200

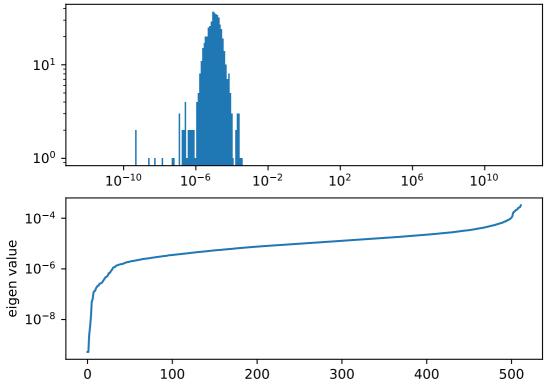
eigen value

ep: 95 layer4.0.conv1 maxeig: 2.4e-04 mineig: 2.1e-06 con: 1.2e+02  $10^{1}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10<sup>2</sup>  $10^{-2}$ 10<sup>6</sup>  $10^{-6}$  $10^{-4}$ eigen value 10<sup>-5</sup> 100 500 200 300 400

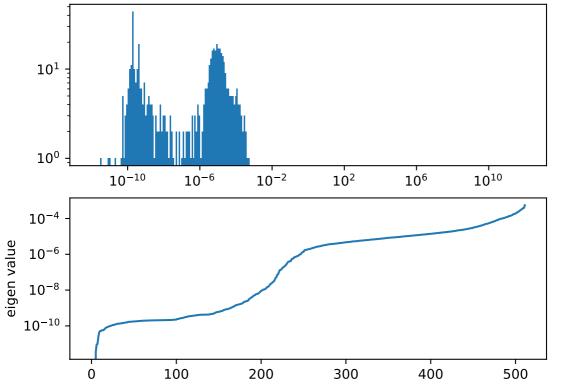
ep: 95 layer4.0.conv2 maxeig: 7.0e-04 mineig: 8.4e-10 con: 8.4e+05 10<sup>1</sup> 10<sup>0</sup> 1010 10-10  $10^{-6}$ 10-2 10<sup>2</sup> 10<sup>6</sup>  $10^{-4}$  $10^{-6}$ 10-8 100 500 200 300 400

eigen value

ep: 95 | Jayer4.0.shortcut.0 maxeig: 3.2e-04 mineig: 5.3e-10 con: 6.2e+05



ep: 95 layer4.1.conv1 maxeig: 5.5e-04 mineig: -1.0e-10 con: 1.6e+08



ep: 95 layer4.1.conv2 maxeig: 1.6e-03 mineig: 8.4e-10 con: 1.9e+06

