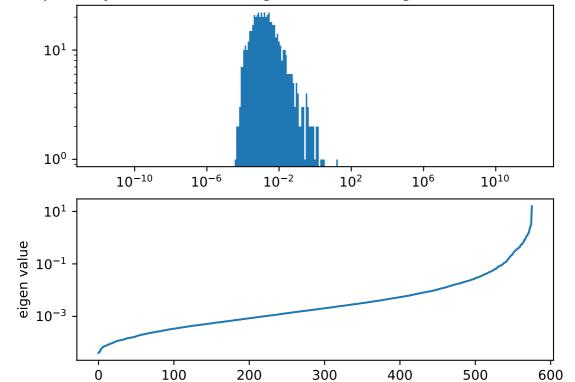
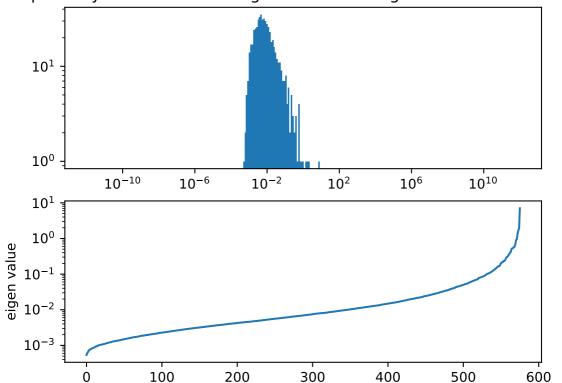
ep: 20 conv1 maxeig: 5.8e+01 mineig: 3.9e-03 con: 1.5e+04  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10-6 10-2 10<sup>2</sup> 10<sup>6</sup> 10<sup>1</sup> eigen value 10<sup>-1</sup>  $10^{-2}$ 10 15 25 20

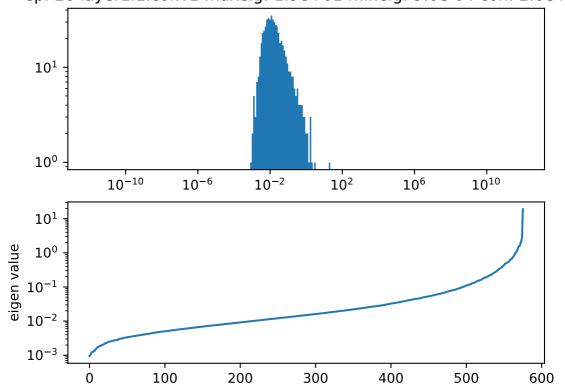
ep: 20 layer1.0.conv1 maxeig: 1.6e+01 mineig: 4.0e-05 con: 3.9e+05



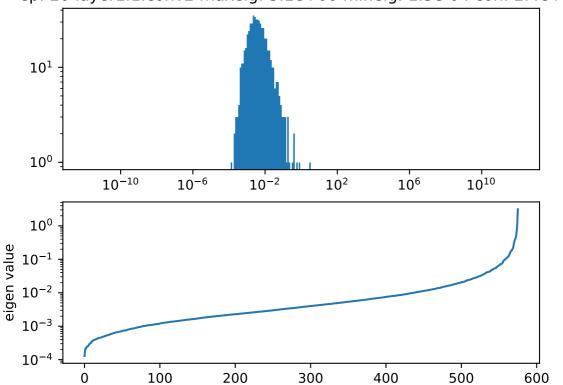
ep: 20 layer1.0.conv2 maxeig: 7.0e+00 mineig: 5.4e-04 con: 1.3e+04



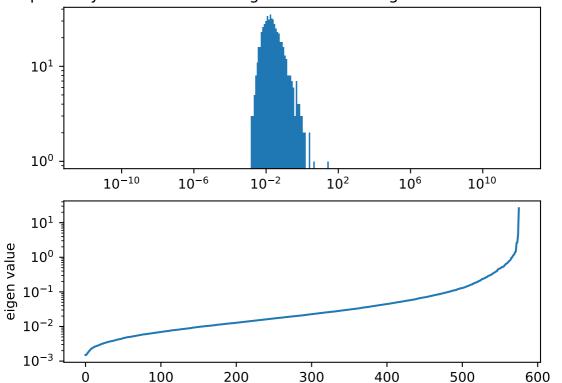
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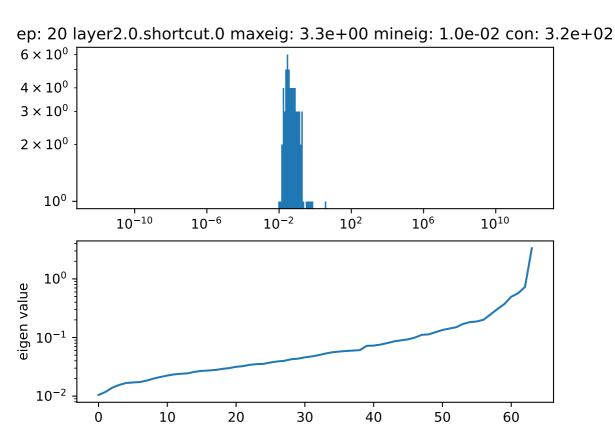
ep: 20 layer1.1.conv2 maxeig: 3.1e+00 mineig: 1.3e-04 con: 2.4e+04

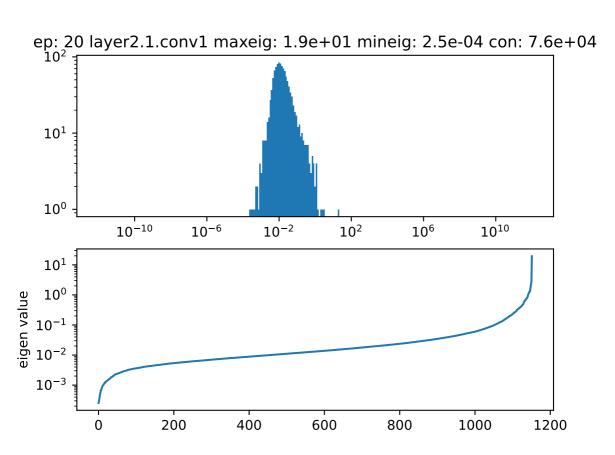


ep: 20 layer2.0.conv1 maxeig: 2.6e+01 mineig: 1.5e-03 con: 1.7e+04

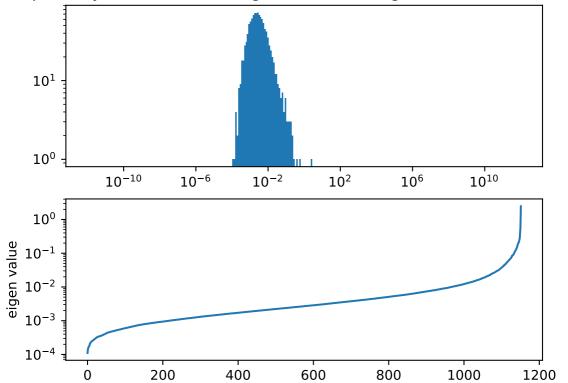


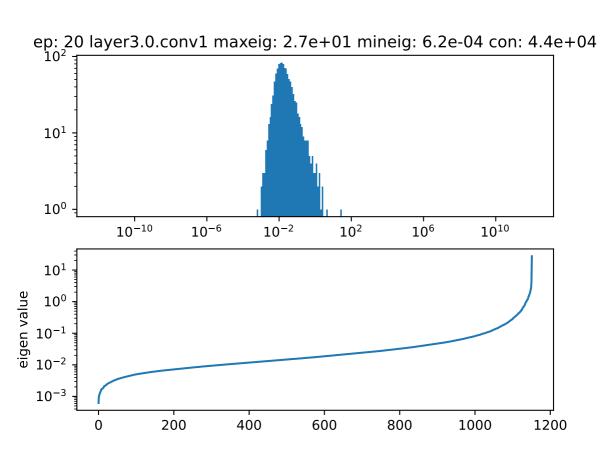
ep: 20 layer2.0.conv2 maxeig: 6.0e+00 mineig: 4.1e-04 con: 1.5e+04  $10^{1}$ 10<sup>0</sup> 1010 10-10 10-2 10<sup>6</sup>  $10^{-6}$ 10<sup>2</sup> 10<sup>0</sup> eigen value  $10^{-1}$  $10^{-2}$  $10^{-3}$ 200 400 600 800 1000 1200



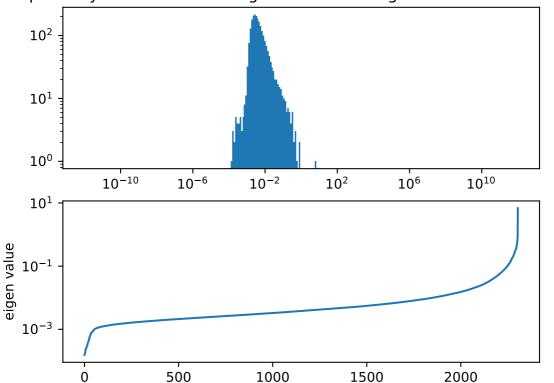


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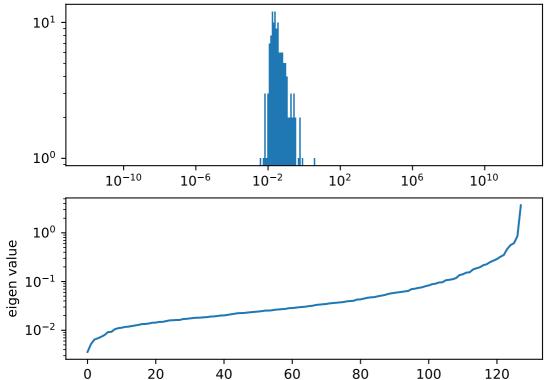




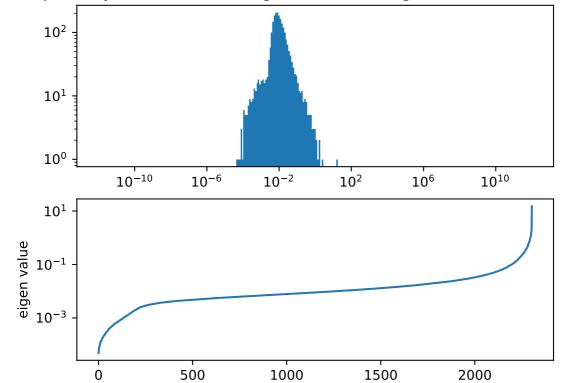
ep: 20 layer3.0.conv2 maxeig: 6.8e+00 mineig: 1.5e-04 con: 4.4e+04



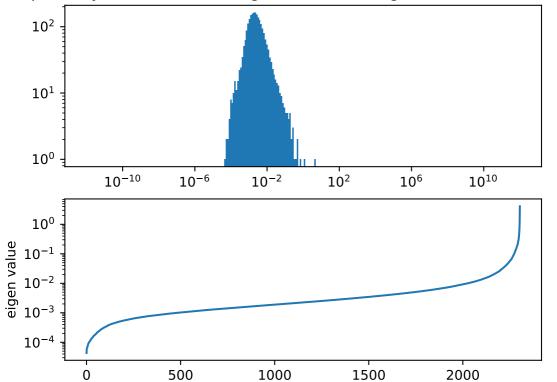
ep: 20 layer3.0.shortcut.0 maxeig: 3.7e+00 mineig: 3.6e-03 con: 1.0e+03



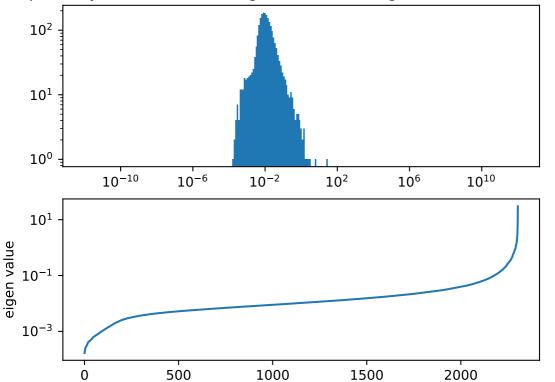
ep: 20 layer3.1.conv1 maxeig: 1.5e+01 mineig: 4.9e-05 con: 3.1e+05



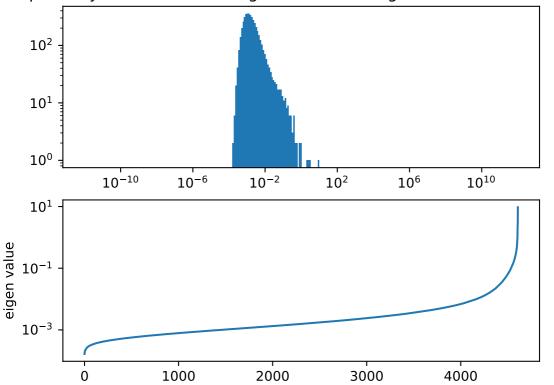
ep: 20 layer3.1.conv2 maxeig: 4.1e+00 mineig: 4.3e-05 con: 9.4e+04



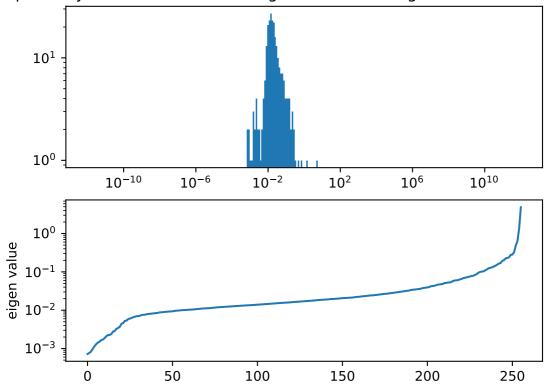
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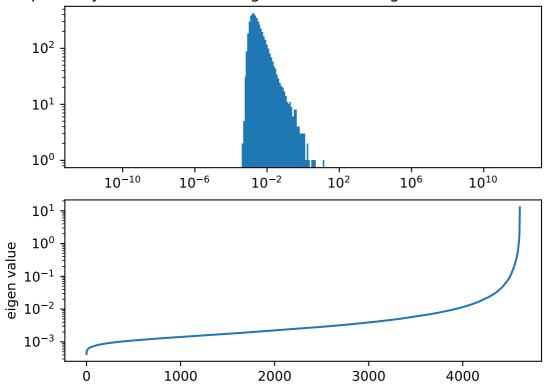
ep: 20 layer4.0.conv2 maxeig: 9.5e+00 mineig: 1.7e-04 con: 5.7e+04



ep: 20 layer4.0.shortcut.0 maxeig: 4.8e+00 mineig: 7.2e-04 con: 6.7e+03



ep: 20 layer4.1.conv1 maxeig: 1.3e+01 mineig: 4.3e-04 con: 3.0e+04



ep: 20 layer4.1.conv2 maxeig: 1.6e+01 mineig: 2.8e-05 con: 5.8e+05

