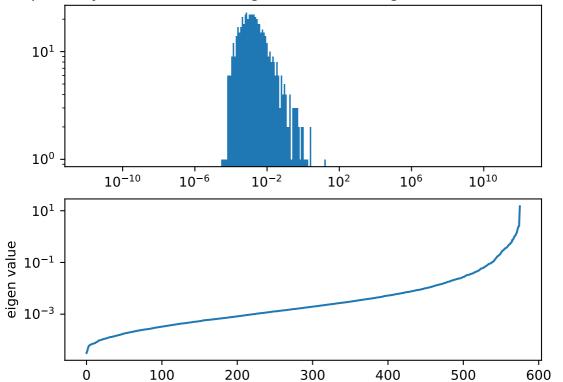
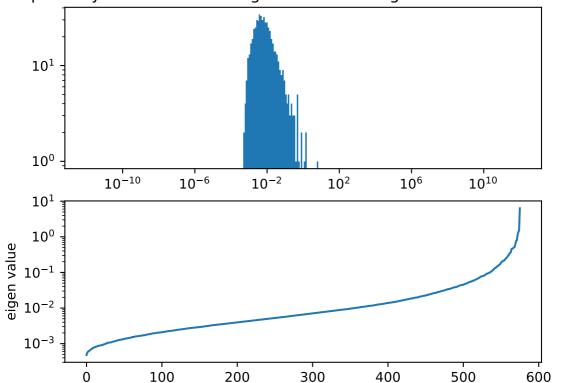
ep: 23 conv1 maxeig: 5.8e+01 mineig: 3.8e-03 con: 1.5e+04  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 1010 10-10 10-6 10-2 10<sup>2</sup> 10<sup>6</sup> 10<sup>1</sup> eigen value 10<sup>-1</sup>  $10^{-2}$ 10 15 25 20

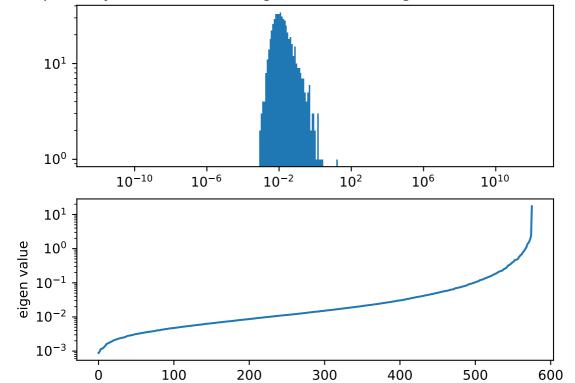
ep: 23 layer1.0.conv1 maxeig: 1.5e+01 mineig: 3.2e-05 con: 4.7e+05



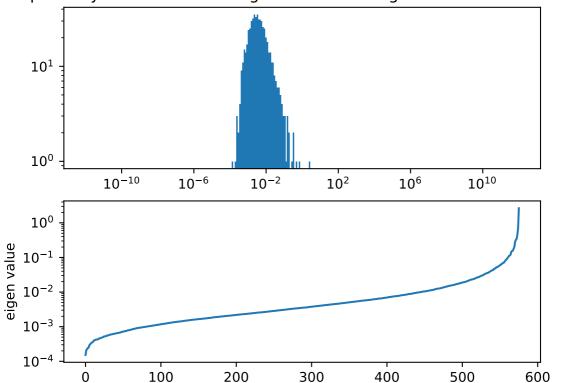
ep: 23 layer1.0.conv2 maxeig: 6.3e+00 mineig: 4.8e-04 con: 1.3e+04



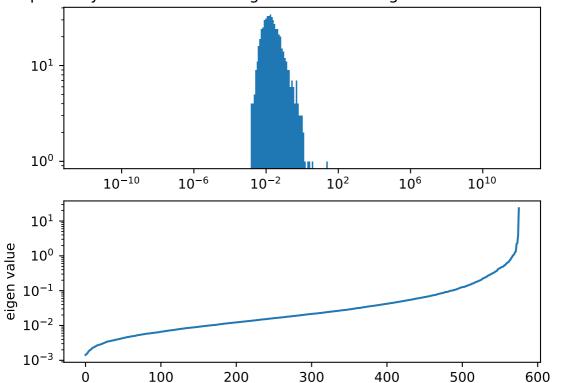
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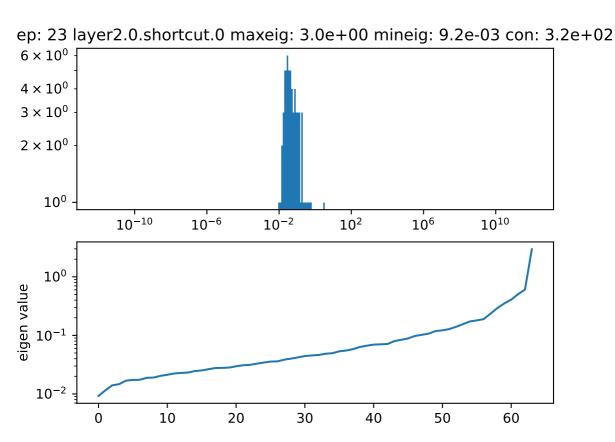
ep: 23 layer1.1.conv2 maxeig: 2.6e+00 mineig: 1.5e-04 con: 1.7e+04

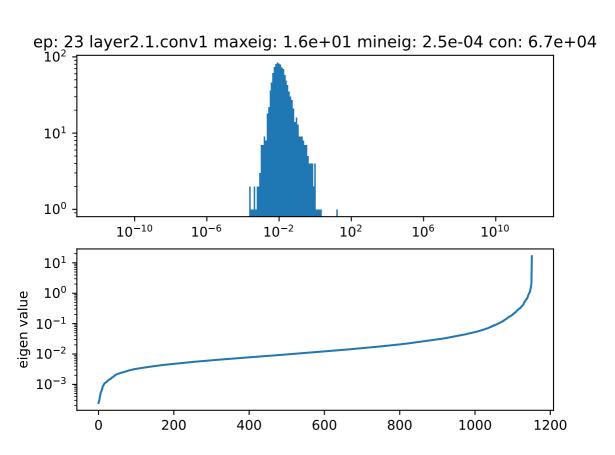


ep: 23 layer2.0.conv1 maxeig: 2.3e+01 mineig: 1.4e-03 con: 1.6e+04

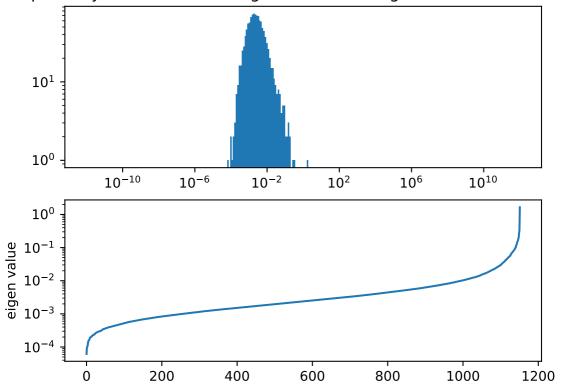


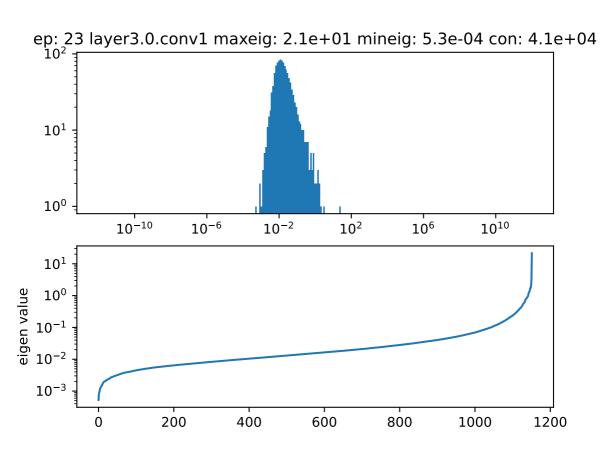
ep: 23 layer2.0.conv2 maxeig: 5.3e+00 mineig: 3.6e-04 con: 1.4e+04 . 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 1010  $10^{-10}$ 10-2 10<sup>6</sup>  $10^{-6}$ 10<sup>2</sup> 10° eigen value  $10^{-1}$ 10-2 10<sup>-3</sup> 200 400 600 800 1000 1200



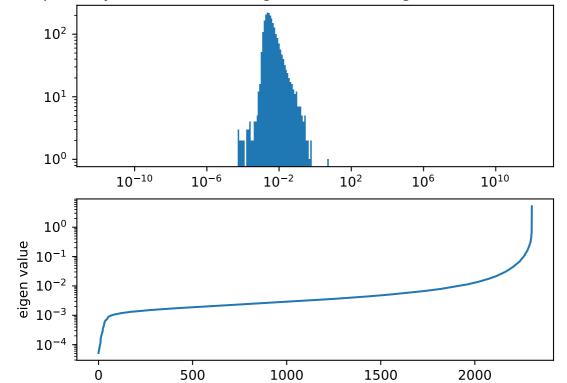


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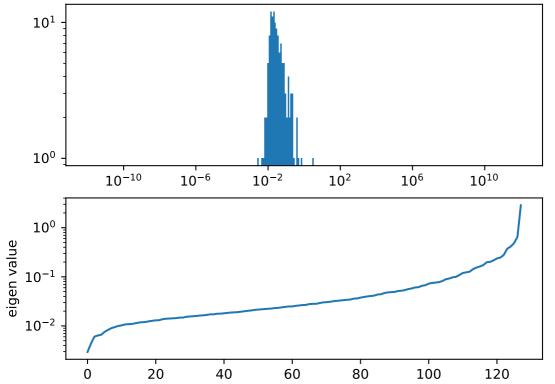




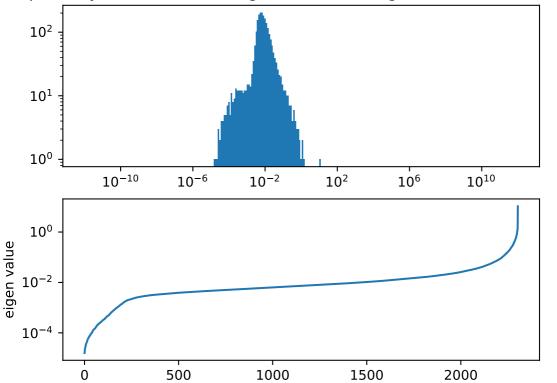
ep: 23 layer3.0.conv2 maxeig: 5.2e+00 mineig: 5.2e-05 con: 9.9e+04



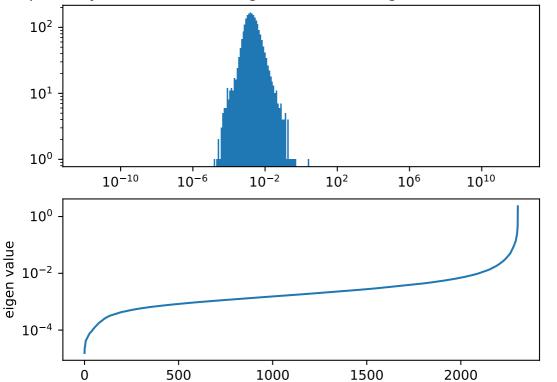
ep: 23 layer3.0.shortcut.0 maxeig: 2.9e+00 mineig: 3.0e-03 con: 9.7e+02



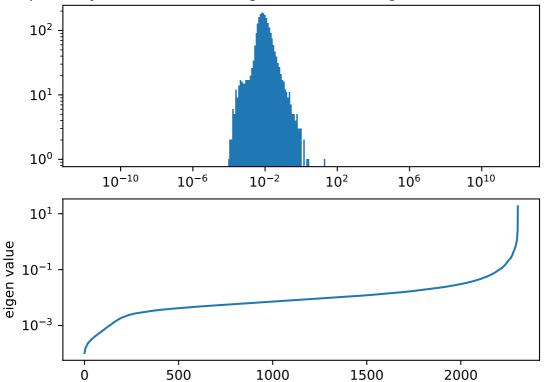
ep: 23 layer3.1.conv1 maxeig: 1.1e+01 mineig: 1.6e-05 con: 6.6e+05



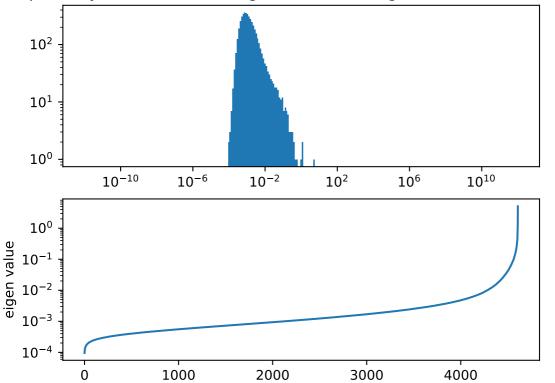
ep: 23 layer3.1.conv2 maxeig: 2.3e+00 mineig: 1.6e-05 con: 1.5e+05



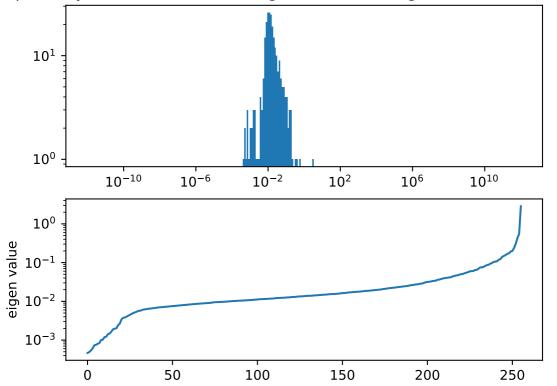
ep: 23 layer4.0.conv1 maxeig: 1.8e+01 mineig: 1.0e-04 con: 1.8e+05



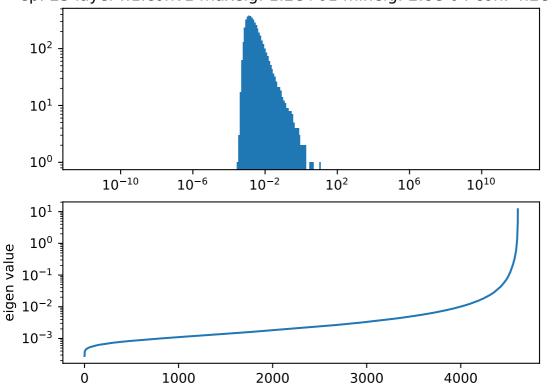
ep: 23 layer4.0.conv2 maxeig: 5.1e+00 mineig: 9.6e-05 con: 5.3e+04



ep: 23 layer4.0.shortcut.0 maxeig: 2.8e+00 mineig: 4.7e-04 con: 6.1e+03



ep: 23 layer4.1.conv1 maxeig: 1.2e+01 mineig: 2.8e-04 con: 4.2e+04



ep: 23 layer4.1.conv2 maxeig: 6.6e+00 mineig: 1.1e-05 con: 6.2e+05

