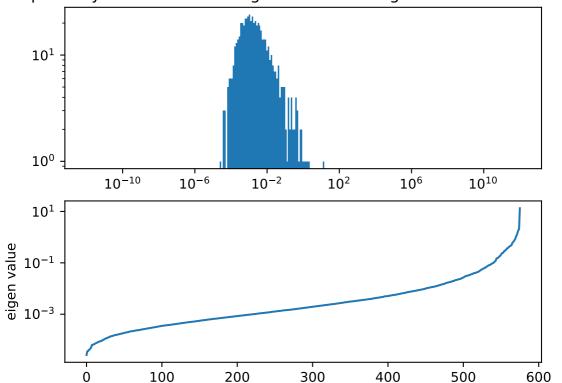
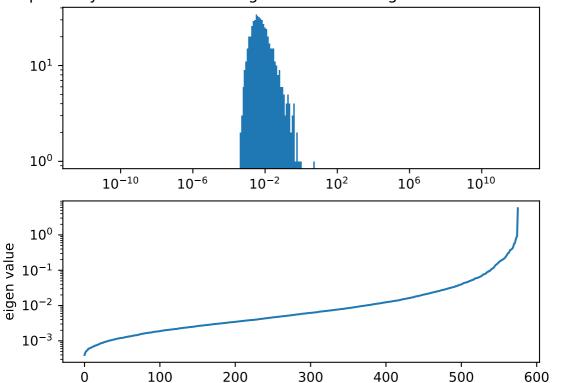
ep: 31 conv1 maxeig: 5.8e+01 mineig: 3.6e-03 con: 1.6e+04  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10-6 10-2 10<sup>2</sup> 10<sup>6</sup> 10<sup>1</sup> eigen value 10<sup>-1</sup>  $10^{-2}$ 10 15 25 20

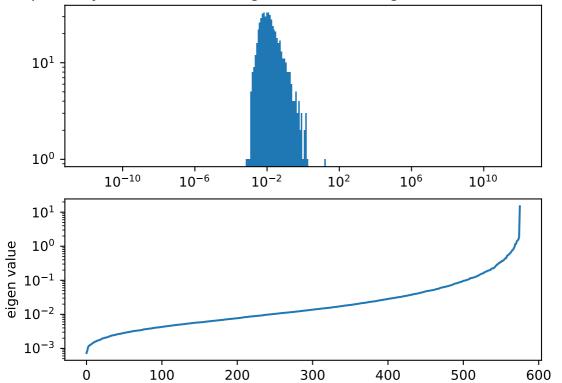
ep: 31 layer1.0.conv1 maxeig: 1.3e+01 mineig: 2.6e-05 con: 5.1e+05



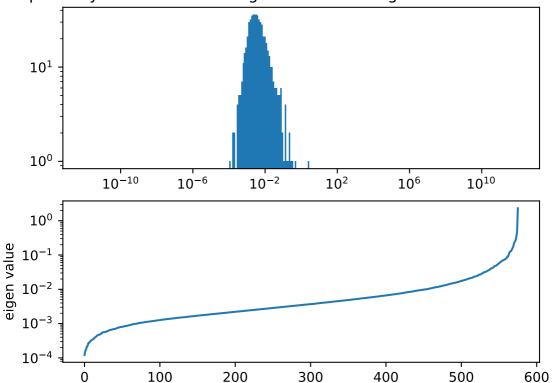
ep: 31 layer1.0.conv2 maxeig: 5.7e+00 mineig: 4.0e-04 con: 1.4e+04



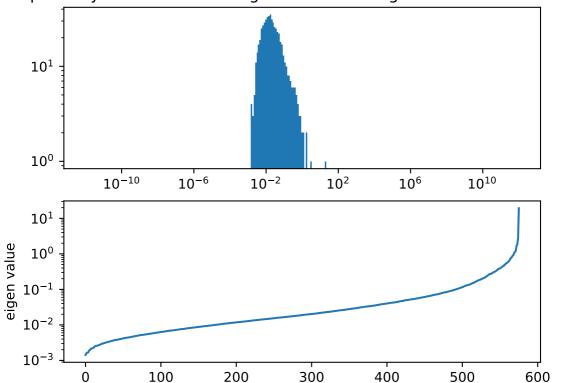
ep: 31 layer1.1.conv1 maxeig: 1.5e+01 mineig: 7.4e-04 con: 2.0e+04



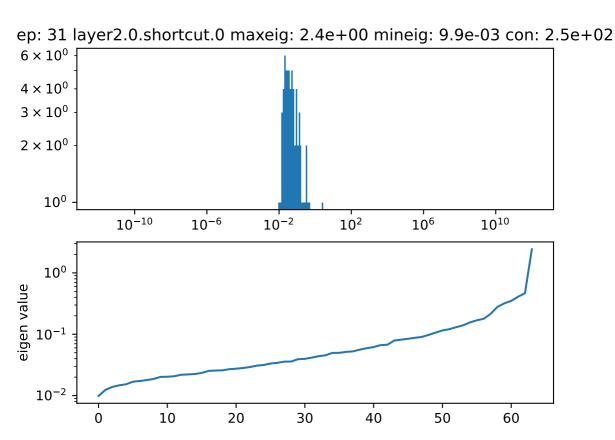
ep: 31 layer1.1.conv2 maxeig: 2.3e+00 mineig: 1.2e-04 con: 1.9e+04



ep: 31 layer2.0.conv1 maxeig: 1.9e+01 mineig: 1.4e-03 con: 1.4e+04

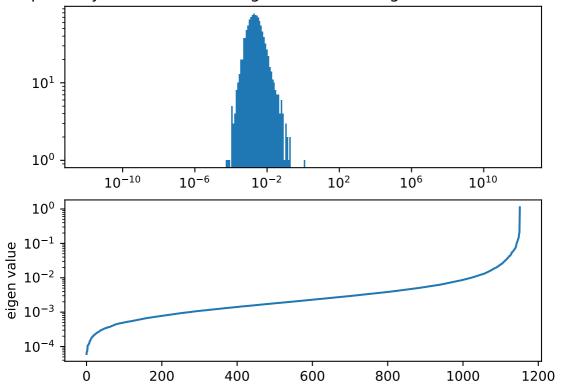


ep: 31 layer2.0.conv2 maxeig: 4.6e+00 mineig: 4.6e-04 con: 9.9e+03  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10  $10^{-6}$  $10^{-2}$ 10<sup>2</sup> 10<sup>6</sup> 10<sup>0</sup> e in log 10<sup>-3</sup> 200 400 600 800 1000 1200



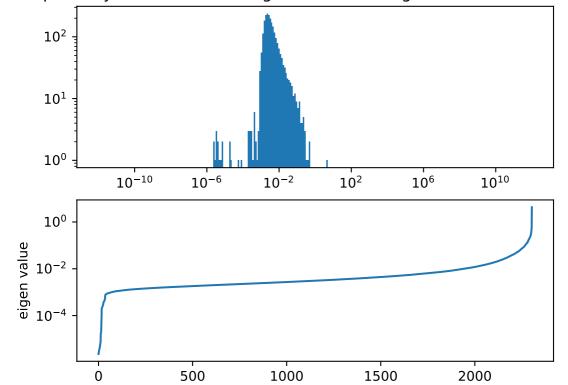
ep: 31 layer2.1.conv1 maxeig: 1.4e+01 mineig: 2.6e-04 con: 5.4e+04 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 1010 10-10 10-2 10<sup>6</sup>  $10^{-6}$ 10<sup>2</sup>  $10^1$ 10<sup>0</sup> eigen value  $10^{-1}$  $10^{-2}$  $10^{-3}$ 200 400 600 800 1000 1200

ep: 31 layer2.1.conv2 maxeig: 1.1e+00 mineig: 6.1e-05 con: 1.8e+04

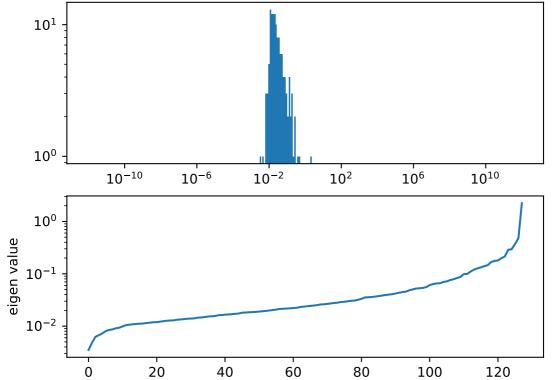


ep: 31 layer3.0.conv1 maxeig: 1.7e+01 mineig: 6.1e-04 con: 2.7e+04 . 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 1010  $10^{-10}$ 10<sup>6</sup>  $10^{-6}$  $10^{-2}$ 10<sup>2</sup>  $10^{1}$ 200 400 600 800 1000 1200

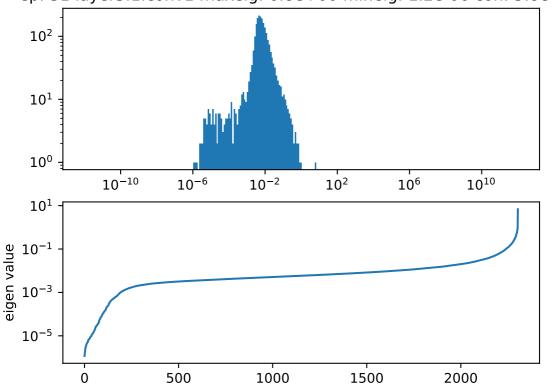
ep: 31 layer3.0.conv2 maxeig: 4.3e+00 mineig: 2.3e-06 con: 1.9e+06



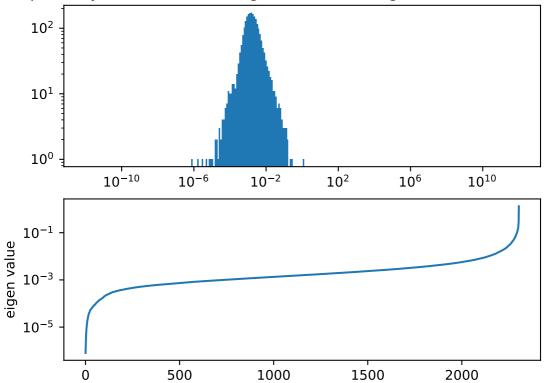
ep: 31 layer3.0.shortcut.0 maxeig: 2.2e+00 mineig: 3.5e-03 con: 6.3e+02



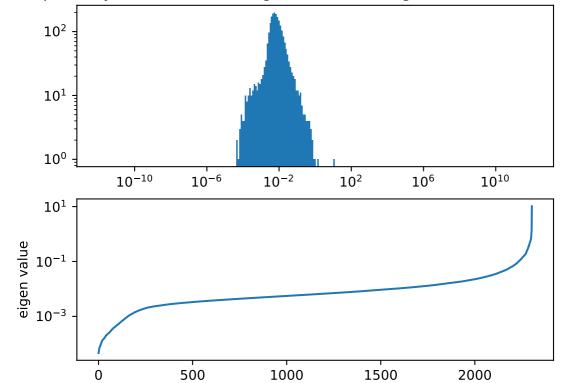
ep: 31 layer3.1.conv1 maxeig: 6.8e+00 mineig: 1.2e-06 con: 5.8e+06



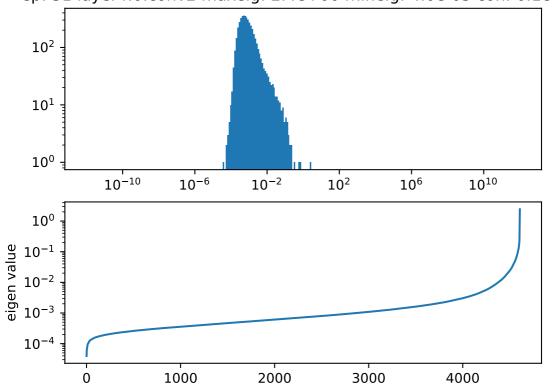
ep: 31 layer3.1.conv2 maxeig: 1.3e+00 mineig: 8.0e-07 con: 1.6e+06



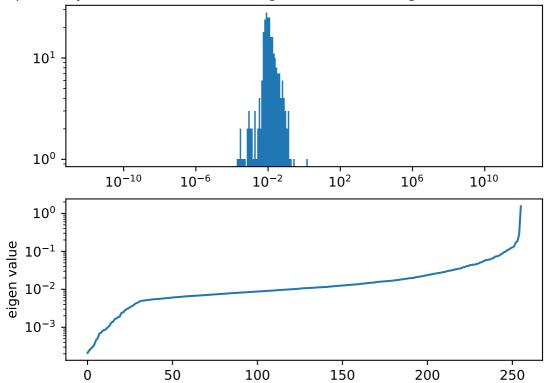
ep: 31 layer4.0.conv1 maxeig: 1.0e+01 mineig: 4.7e-05 con: 2.2e+05



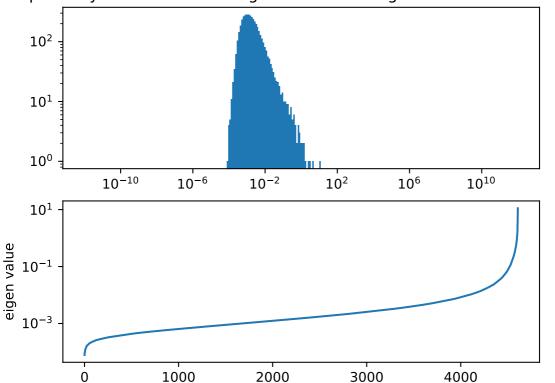
ep: 31 layer4.0.conv2 maxeig: 2.4e+00 mineig: 4.0e-05 con: 6.1e+04



ep: 31 layer4.0.shortcut.0 maxeig: 1.5e+00 mineig: 2.1e-04 con: 7.3e+03



ep: 31 layer4.1.conv1 maxeig: 1.1e+01 mineig: 7.9e-05 con: 1.4e+05



ep: 31 layer4.1.conv2 maxeig: 1.8e+00 mineig: 7.0e-07 con: 2.5e+06

