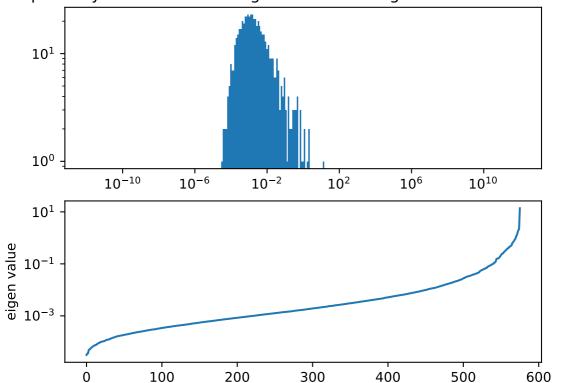
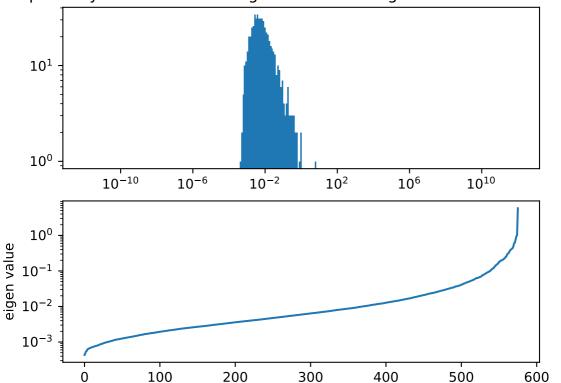
ep: 29 conv1 maxeig: 5.7e+01 mineig: 3.8e-03 con: 1.5e+04  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 1010 10-10 10-6 10-2 10<sup>2</sup> 10<sup>6</sup> 10<sup>1</sup> eigen value 10<sup>-1</sup>  $10^{-2}$ 10 15 25 20

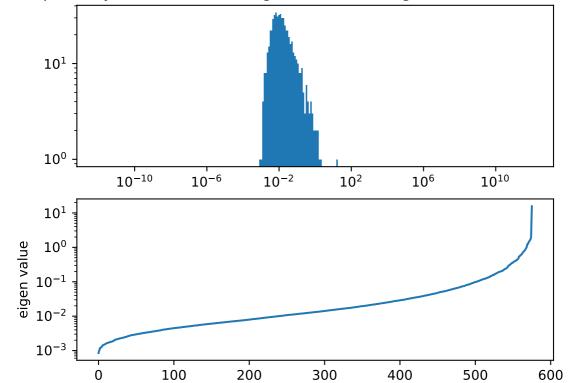
ep: 29 layer1.0.conv1 maxeig: 1.4e+01 mineig: 3.1e-05 con: 4.4e+05



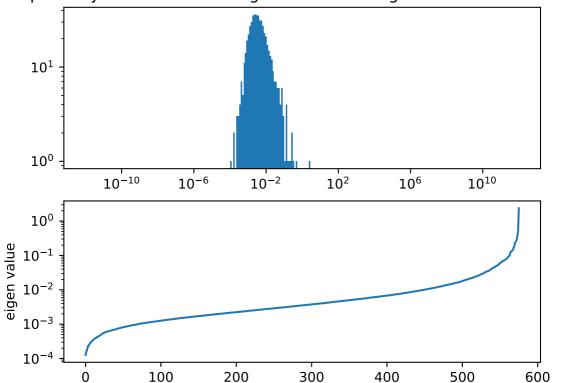
ep: 29 layer1.0.conv2 maxeig: 5.8e+00 mineig: 4.3e-04 con: 1.3e+04



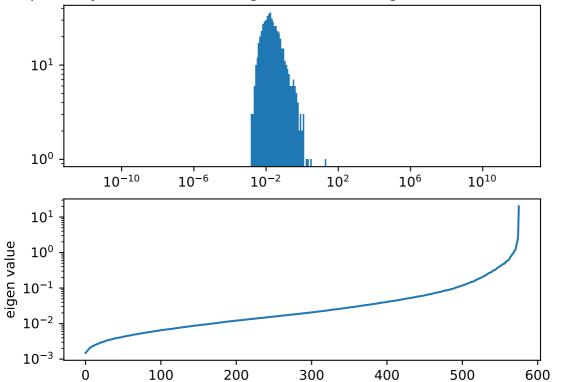
ep: 29 layer1.1.conv1 maxeig: 1.6e+01 mineig: 8.5e-04 con: 1.8e+04



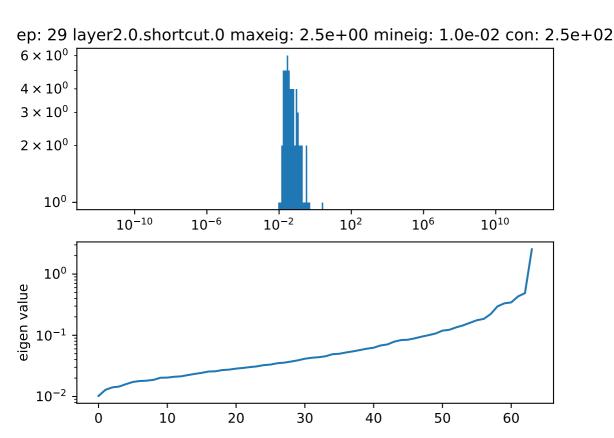
ep: 29 layer1.1.conv2 maxeig: 2.4e+00 mineig: 1.3e-04 con: 1.9e+04



ep: 29 layer2.0.conv1 maxeig: 2.0e+01 mineig: 1.5e-03 con: 1.3e+04

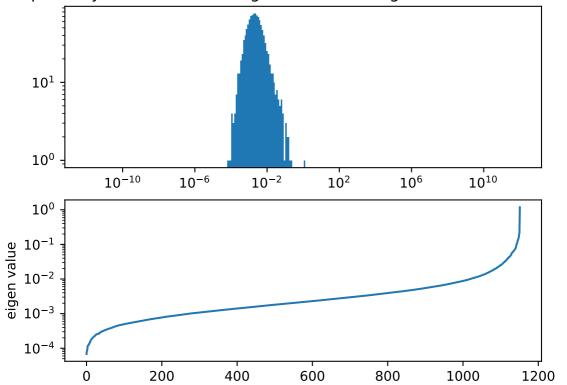


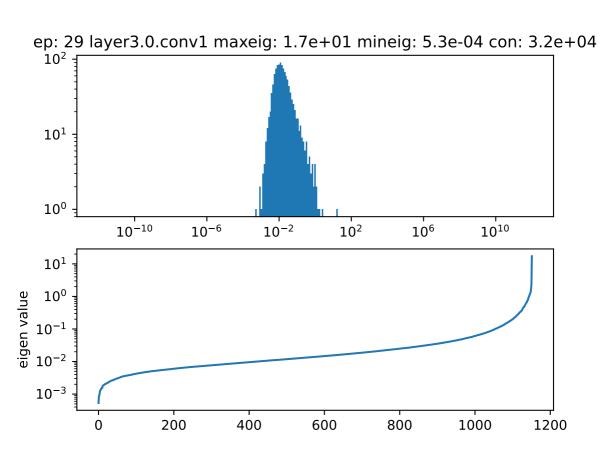
ep: 29 layer2.0.conv2 maxeig: 4.6e+00 mineig: 4.3e-04 con: 1.1e+04  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10 10-2  $10^{-6}$ 10<sup>2</sup> 10<sup>6</sup> 10<sup>0</sup> eigen value  $10^{-1}$  $10^{-2}$  $10^{-3}$ 200 400 600 800 1000 1200



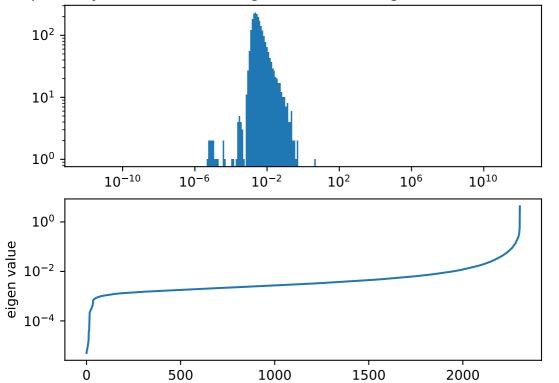
ep: 29 layer2.1.conv1 maxeig: 1.4e+01 mineig: 2.7e-04 con: 5.3e+04 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 1010 10-10 10-2 10<sup>6</sup>  $10^{-6}$ 10<sup>2</sup>  $10^{1}$ 10<sup>0</sup> eigen value  $10^{-1}$  $10^{-2}$  $10^{-3}$ 200 400 600 800 1000 1200

ep: 29 layer2.1.conv2 maxeig: 1.2e+00 mineig: 6.8e-05 con: 1.7e+04

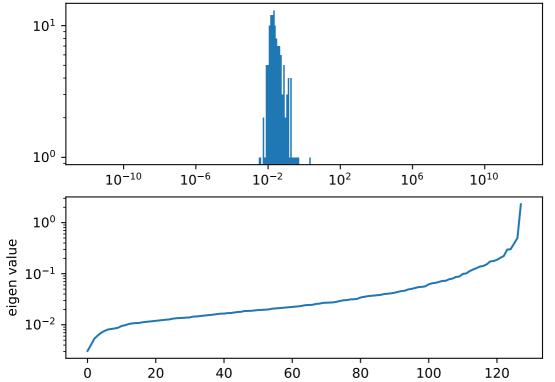




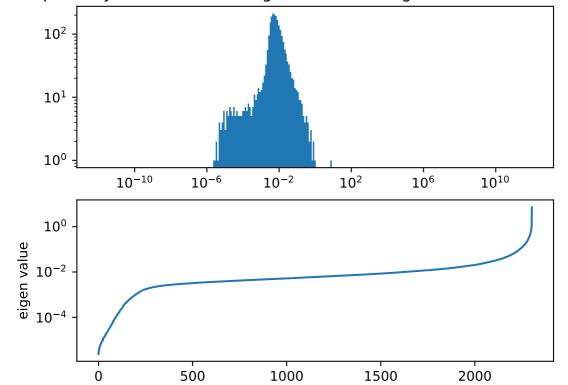
ep: 29 layer3.0.conv2 maxeig: 4.3e+00 mineig: 5.1e-06 con: 8.5e+05



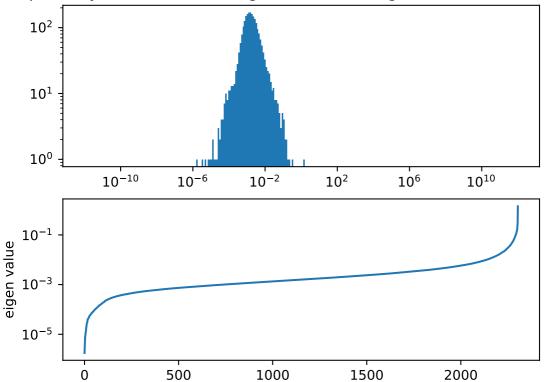
ep: 29 layer3.0.shortcut.0 maxeig: 2.3e+00 mineig: 3.1e-03 con: 7.5e+02



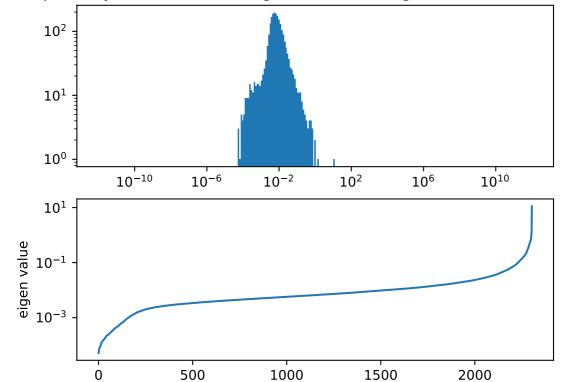
ep: 29 layer3.1.conv1 maxeig: 7.2e+00 mineig: 2.4e-06 con: 3.0e+06



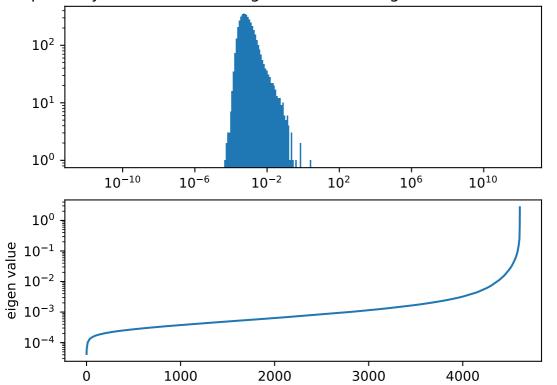
ep: 29 layer3.1.conv2 maxeig: 1.4e+00 mineig: 1.8e-06 con: 8.0e+05



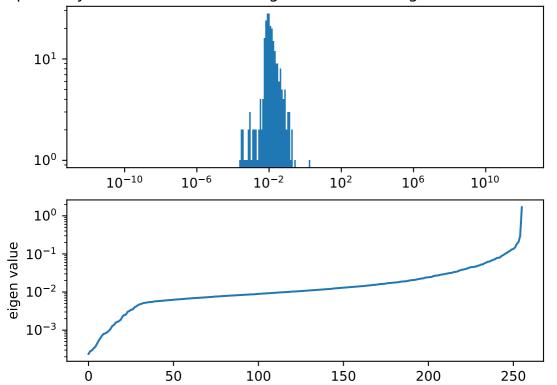
ep: 29 layer4.0.conv1 maxeig: 1.1e+01 mineig: 5.2e-05 con: 2.1e+05



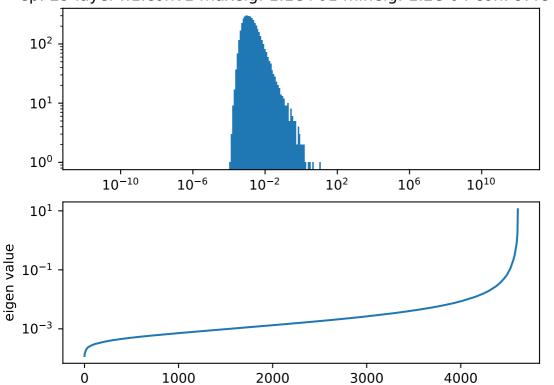
ep: 29 layer4.0.conv2 maxeig: 2.7e+00 mineig: 4.3e-05 con: 6.3e+04



ep: 29 layer4.0.shortcut.0 maxeig: 1.7e+00 mineig: 2.4e-04 con: 7.1e+03



ep: 29 layer4.1.conv1 maxeig: 1.1e+01 mineig: 1.2e-04 con: 9.4e+04



ep: 29 layer4.1.conv2 maxeig: 2.0e+00 mineig: 1.4e-06 con: 1.4e+06

