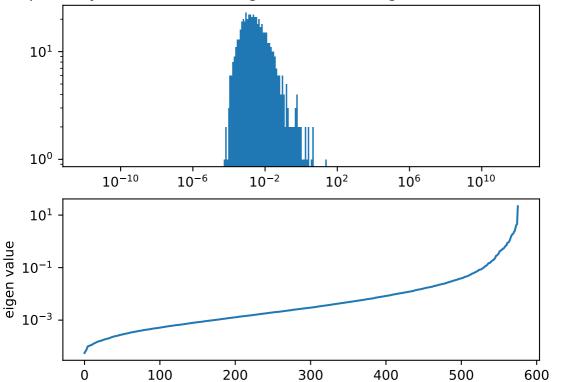
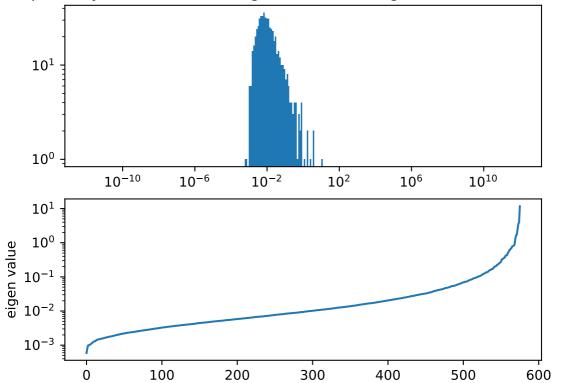
ep: 12 conv1 maxeig: 5.7e+01 mineig: 3.8e-03 con: 1.5e+04  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10-6 10-2 10<sup>2</sup> 10<sup>6</sup> 10<sup>1</sup> eigen value 10<sup>-1</sup>  $10^{-2}$ 10 15 25 20

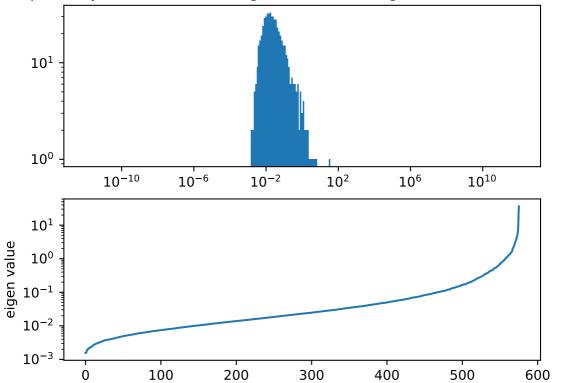
ep: 12 layer1.0.conv1 maxeig: 2.2e+01 mineig: 5.6e-05 con: 3.9e+05



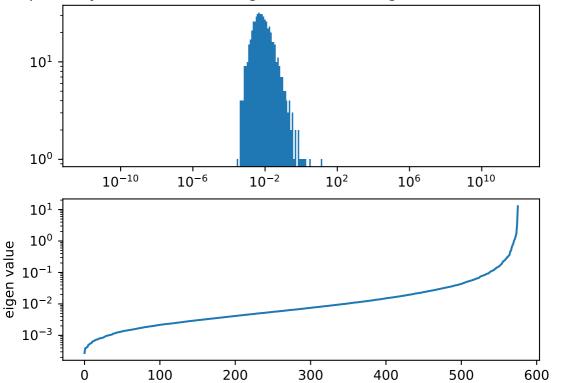
ep: 12 layer1.0.conv2 maxeig: 1.2e+01 mineig: 5.9e-04 con: 2.0e+04



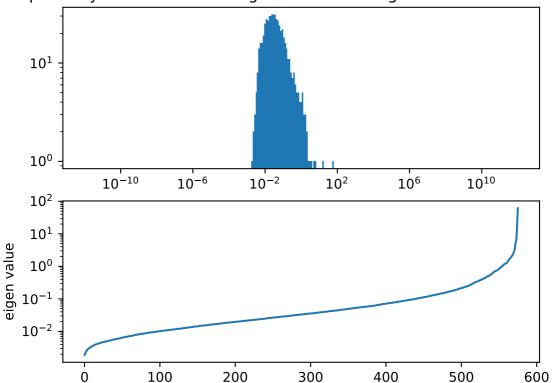
ep: 12 layer1.1.conv1 maxeig: 3.7e+01 mineig: 1.6e-03 con: 2.4e+04



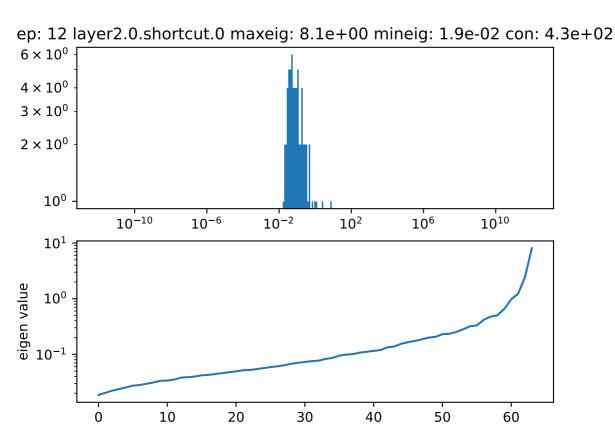
ep: 12 layer1.1.conv2 maxeig: 1.3e+01 mineig: 2.8e-04 con: 4.6e+04

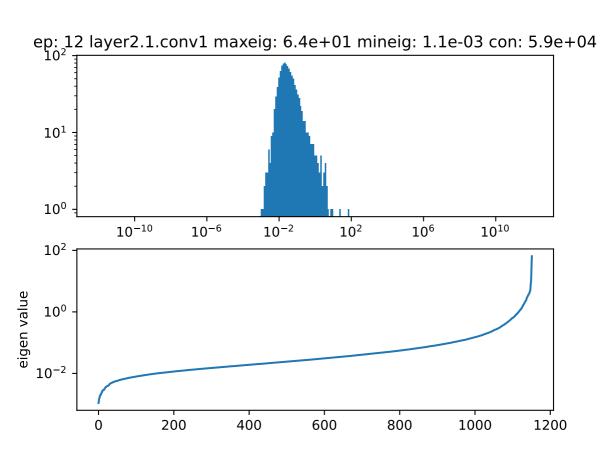


ep: 12 layer2.0.conv1 maxeig: 6.1e+01 mineig: 1.9e-03 con: 3.2e+04

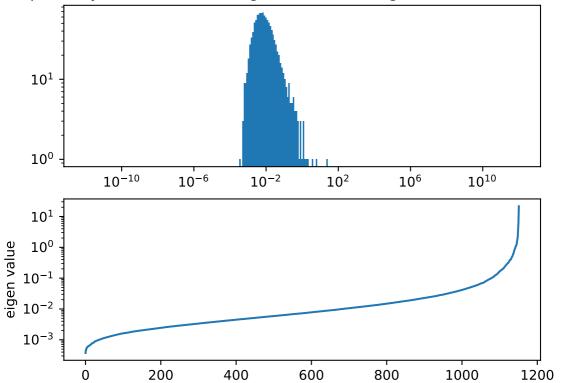


ep: 12 layer2.0.conv2 maxeig: 2.1e+01 mineig: 8.5e-04 con: 2.5e+04  $10^{1}$ 10<sup>0</sup> 1010  $10^{-10}$  $10^{-6}$  $10^{-2}$ 10<sup>2</sup> 10<sup>6</sup>  $10^{1}$ eigen value 10 10<sup>-2</sup> 10<sup>-3</sup> 200 400 600 800 1000 1200

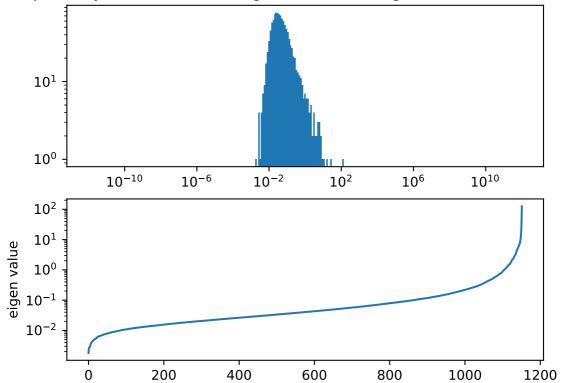




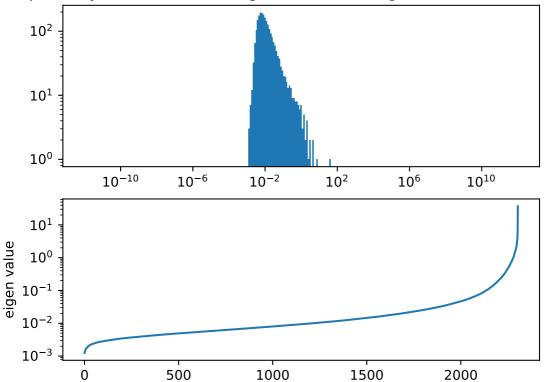
ep: 12 layer2.1.conv2 maxeig: 2.1e+01 mineig: 3.7e-04 con: 5.7e+04



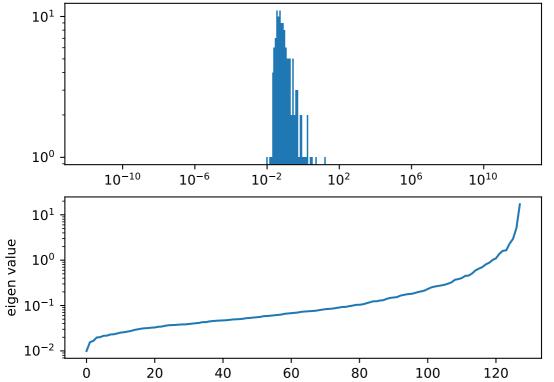
ep: 12 layer3.0.conv1 maxeig: 1.3e+02 mineig: 1.8e-03 con: 7.0e+04



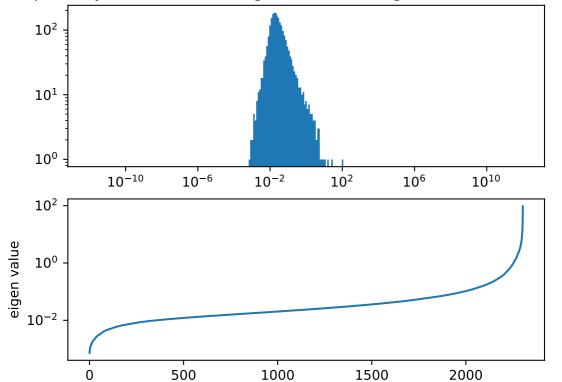
ep: 12 layer3.0.conv2 maxeig: 3.7e+01 mineig: 1.2e-03 con: 3.0e+04



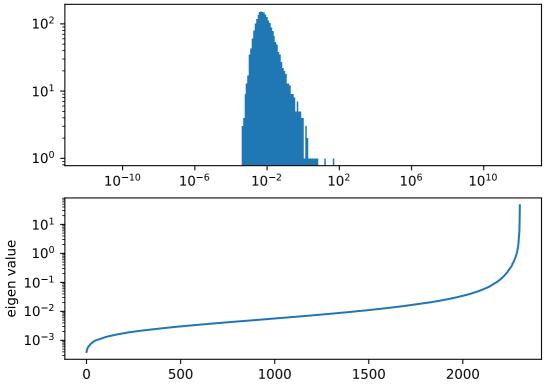
ep: 12 layer3.0.shortcut.0 maxeig: 1.7e+01 mineig: 1.0e-02 con: 1.7e+03



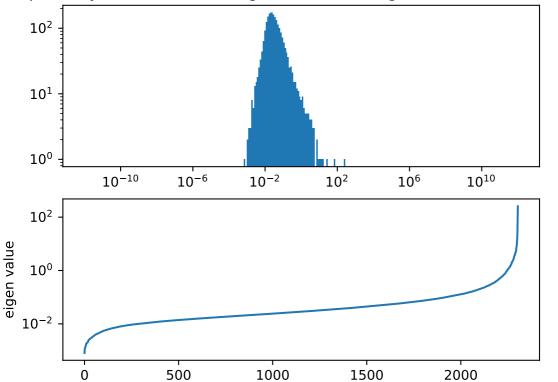
ep: 12 layer3.1.conv1 maxeig: 9.5e+01 mineig: 7.3e-04 con: 1.3e+05



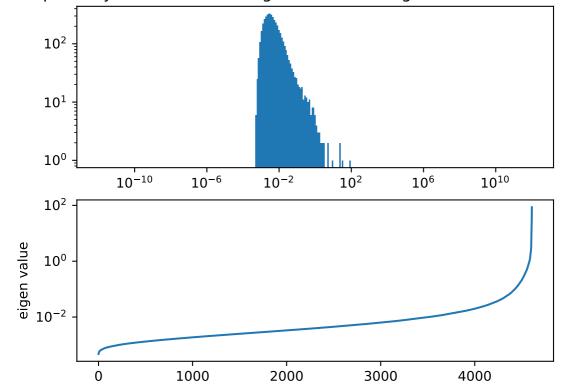
ep: 12 layer3.1.conv2 maxeig: 4.6e+01 mineig: 4.0e-04 con: 1.1e+05



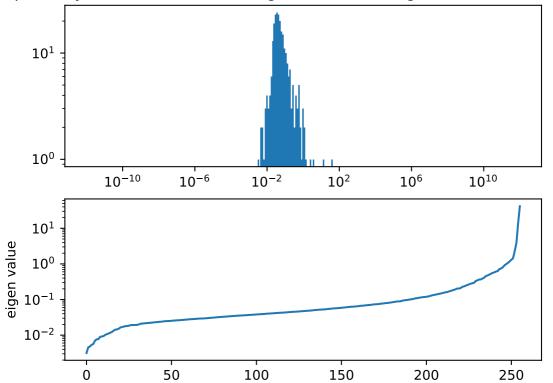
ep: 12 layer4.0.conv1 maxeig: 2.6e+02 mineig: 8.1e-04 con: 3.2e+05



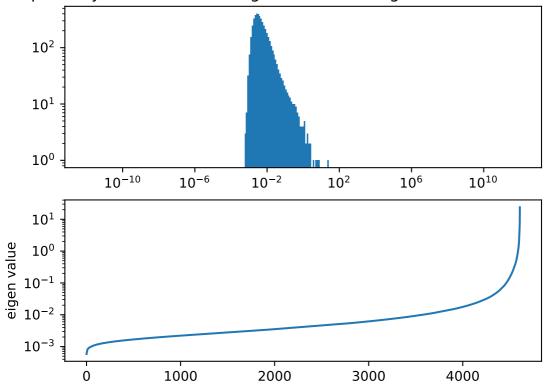
ep: 12 layer4.0.conv2 maxeig: 8.5e+01 mineig: 4.8e-04 con: 1.8e+05



ep: 12 layer4.0.shortcut.0 maxeig: 4.2e+01 mineig: 3.2e-03 con: 1.3e+04



ep: 12 layer4.1.conv1 maxeig: 2.4e+01 mineig: 5.9e-04 con: 4.1e+04



ep: 12 layer4.1.conv2 maxeig: 1.4e+02 mineig: 1.8e-04 con: 7.6e+05

