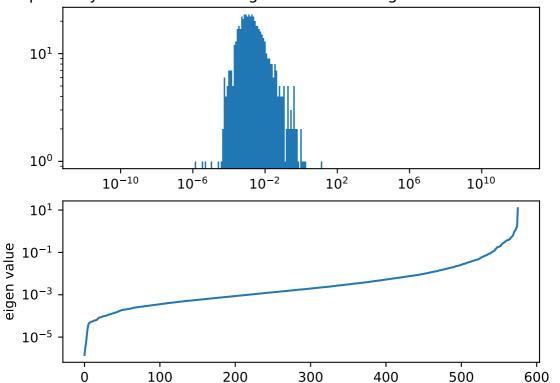
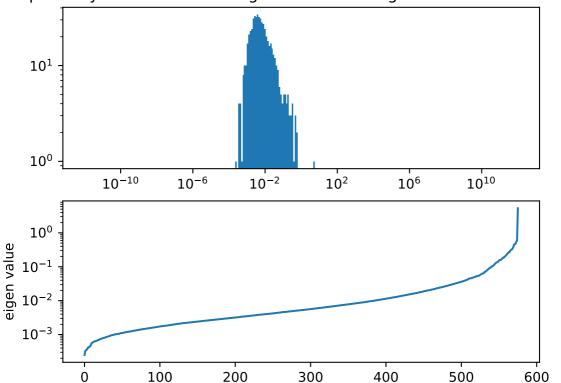
ep: 41 conv1 maxeig: 5.7e+01 mineig: 3.8e-03 con: 1.5e+04  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10-6 10-2 10<sup>2</sup> 10<sup>6</sup> 10<sup>1</sup> eigen value 10<sup>-1</sup>  $10^{-2}$ 10 15 25 20

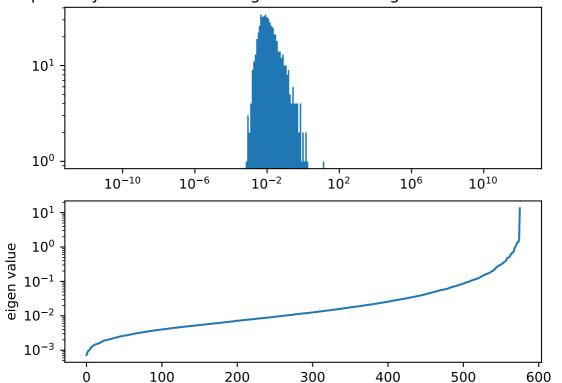
ep: 41 layer1.0.conv1 maxeig: 1.2e+01 mineig: 1.4e-06 con: 8.4e+06



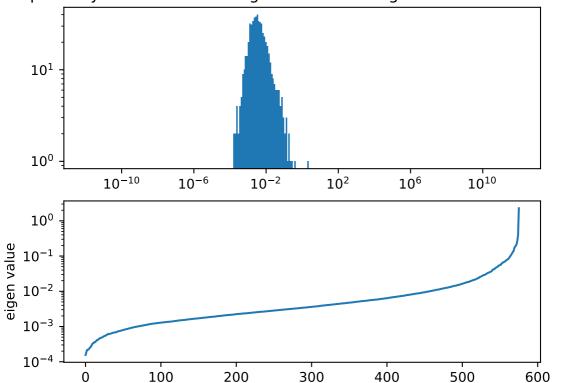
ep: 41 layer1.0.conv2 maxeig: 5.3e+00 mineig: 2.5e-04 con: 2.1e+04



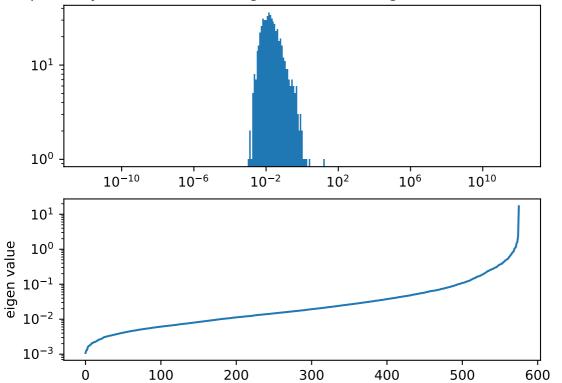
ep: 41 layer1.1.conv1 maxeig: 1.3e+01 mineig: 7.3e-04 con: 1.8e+04



ep: 41 layer1.1.conv2 maxeig: 2.3e+00 mineig: 1.6e-04 con: 1.5e+04

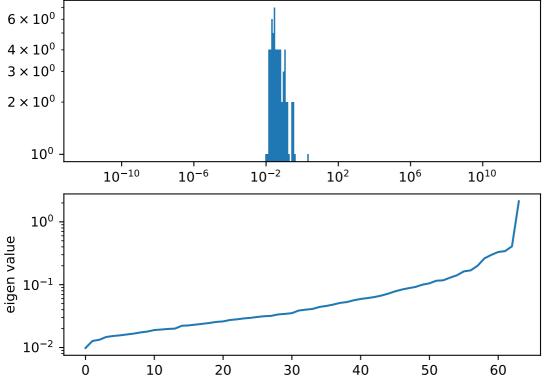


ep: 41 layer2.0.conv1 maxeig: 1.7e+01 mineig: 1.1e-03 con: 1.6e+04



ep: 41 layer2.0.conv2 maxeig: 4.5e+00 mineig: 6.9e-04 con: 6.5e+03  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10 10<sup>6</sup>  $10^{-6}$  $10^{-2}$ 10<sup>2</sup> 10<sup>0</sup> 10-3 200 400 600 800 1000 1200

ep: 41 layer2.0.shortcut.0 maxeig: 2.1e+00 mineig: 9.8e-03 con: 2.2e+02  $6 \times 10^{0}$ 

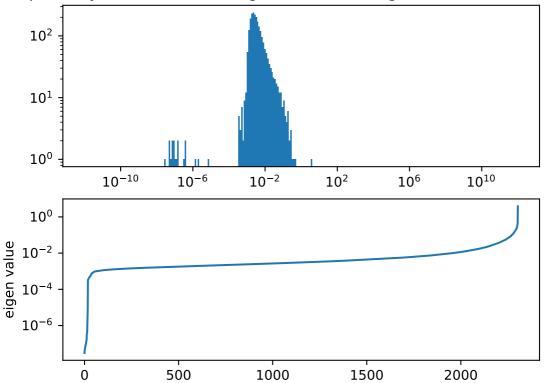


ep: 41 layer2.1.conv1 maxeig: 1.3e+01 mineig: 3.2e-04 con: 4.0e+04  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10  $10^{-6}$ 10-2 10<sup>6</sup> 10<sup>2</sup>  $10^{1}$ 10<sup>0</sup> eigen value  $10^{-1}$  $10^{-2}$ 10<sup>-3</sup> 200 400 600 800 1000 1200

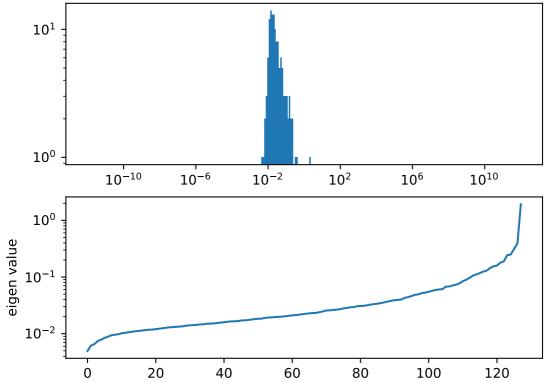
ep: 41 layer2.1.conv2 maxeig: 9.5e-01 mineig: 7.7e-05 con: 1.2e+04  $10^{1}$ 10<sup>0</sup> 1010 10-10 10<sup>2</sup> 10<sup>6</sup>  $10^{-6}$  $10^{-2}$ 10<sup>0</sup>  $10^{-1}$ e iden 10<sup>-1</sup> e iden 10<sup>-2</sup> iden 10<sup>-3</sup>  $10^{-4}$ 200 400 600 800 1000 1200

ep: 41 layer3.0.conv1 maxeig: 1.4e+01 mineig: 8.6e-04 con: 1.7e+04  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010  $10^{-10}$  $10^{-6}$  $10^{-2}$ 10<sup>2</sup> 10<sup>6</sup>  $10^{1}$ 10<sup>0</sup> 10<sup>-3</sup> 200 400 600 800 1000 1200

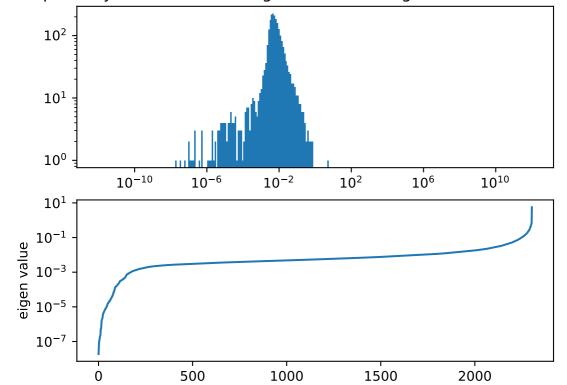
ep: 41 layer3.0.conv2 maxeig: 3.9e+00 mineig: 3.1e-08 con: 1.3e+08



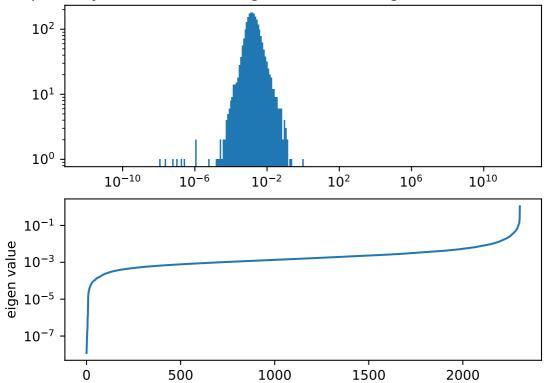
ep: 41 layer3.0.shortcut.0 maxeig: 1.9e+00 mineig: 5.0e-03 con: 3.9e+02



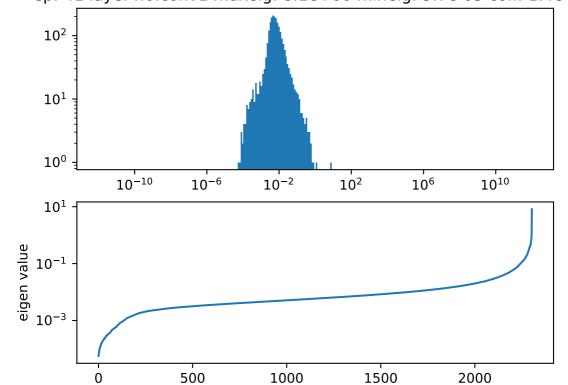
ep: 41 layer3.1.conv1 maxeig: 5.6e+00 mineig: 1.9e-08 con: 2.9e+08



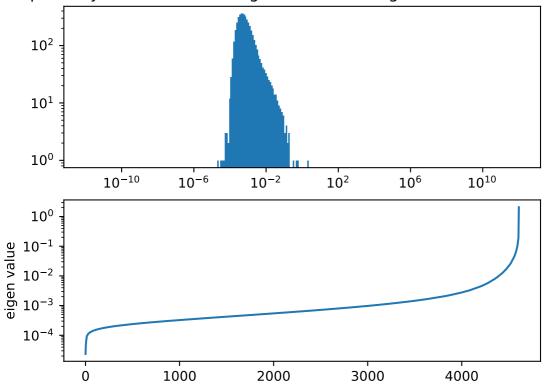
ep: 41 layer3.1.conv2 maxeig: 1.1e+00 mineig: 1.2e-08 con: 9.1e+07



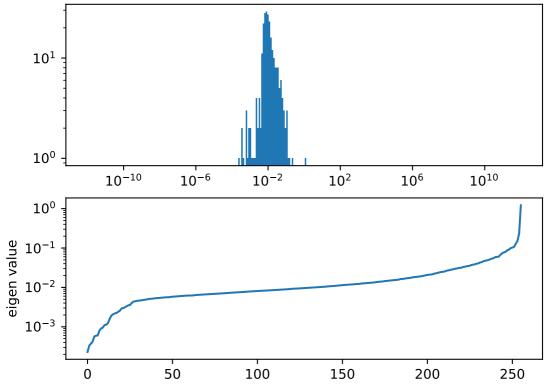
ep: 41 layer4.0.conv1 maxeig: 8.1e+00 mineig: 5.7e-05 con: 1.4e+05



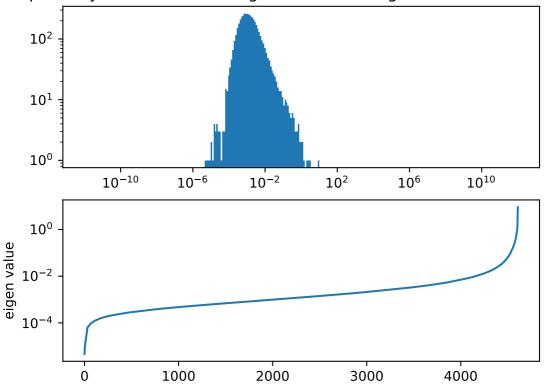
ep: 41 layer4.0.conv2 maxeig: 2.1e+00 mineig: 2.4e-05 con: 8.7e+04



ep: 41 layer4.0.shortcut.0 maxeig: 1.2e+00 mineig: 2.3e-04 con: 5.3e+03



ep: 41 layer4.1.conv1 maxeig: 9.0e+00 mineig: 4.7e-06 con: 1.9e+06



ep: 41 layer4.1.conv2 maxeig: 2.0e+00 mineig: 2.2e-08 con: 9.1e+07

