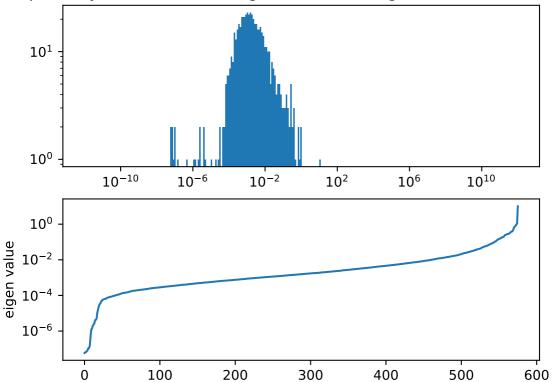
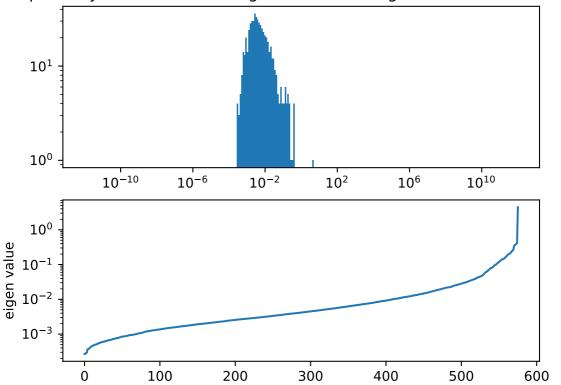
ep: 59 conv1 maxeig: 5.7e+01 mineig: 3.7e-03 con: 1.5e+04  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 1010 10-10 10-2 10<sup>2</sup> 10<sup>6</sup>  $10^{-6}$ 10<sup>1</sup> eigen value 10<sup>-1</sup>  $10^{-2}$ 10 15 25 20

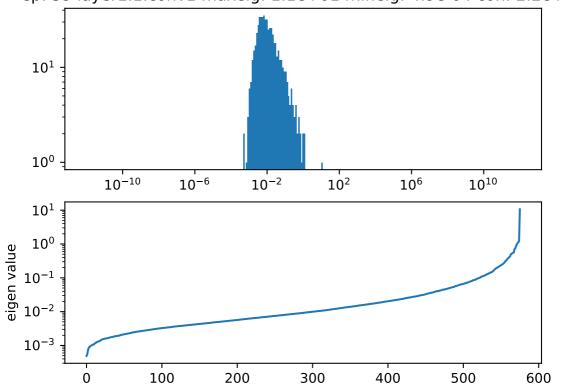
ep: 59 layer1.0.conv1 maxeig: 1.0e+01 mineig: 5.9e-08 con: 1.7e+08



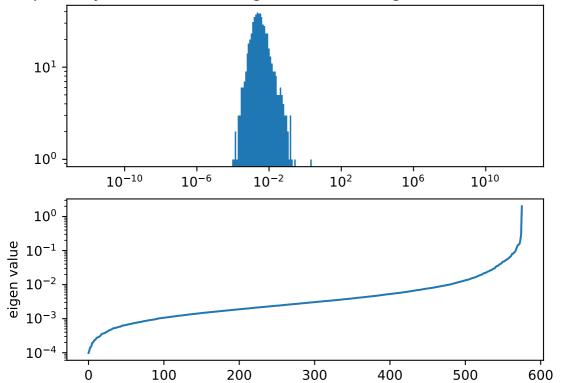
ep: 59 layer1.0.conv2 maxeig: 4.4e+00 mineig: 2.7e-04 con: 1.7e+04



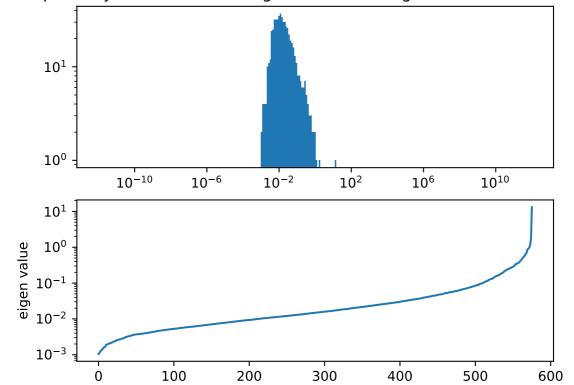
ep: 59 layer1.1.conv1 maxeig: 1.1e+01 mineig: 4.9e-04 con: 2.2e+04



ep: 59 layer1.1.conv2 maxeig: 2.0e+00 mineig: 9.8e-05 con: 2.0e+04

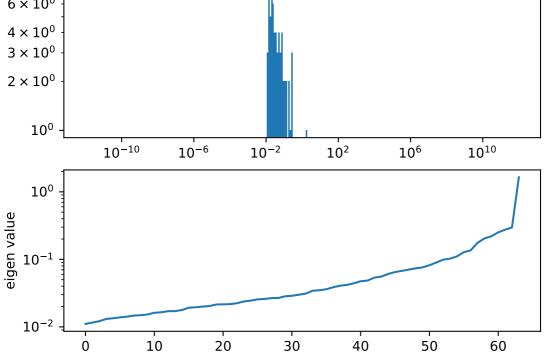


ep: 59 layer2.0.conv1 maxeig: 1.3e+01 mineig: 1.1e-03 con: 1.2e+04

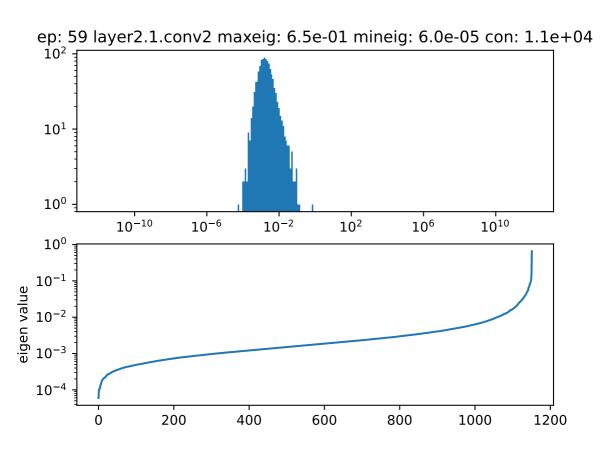


ep: 59 layer2.0.conv2 maxeig: 3.8e+00 mineig: 7.0e-04 con: 5.4e+03  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10  $10^{-2}$ 10<sup>6</sup>  $10^{-6}$ 10<sup>2</sup> 10° e de nombre de n  $10^{-3}$ 200 400 600 800 1000 1200

ep: 59 layer2.0.shortcut.0 maxeig: 1.6e+00 mineig: 1.1e-02 con: 1.5e+02  $6 \times 10^{0}$  $4 \times 10^{0}$  $3 \times 10^{0}$  $2 \times 10^{0}$ 10<sup>0</sup> 1010  $10^{-10}$ 10<sup>6</sup>  $10^{-6}$  $10^{-2}$ 10<sup>2</sup> 10°

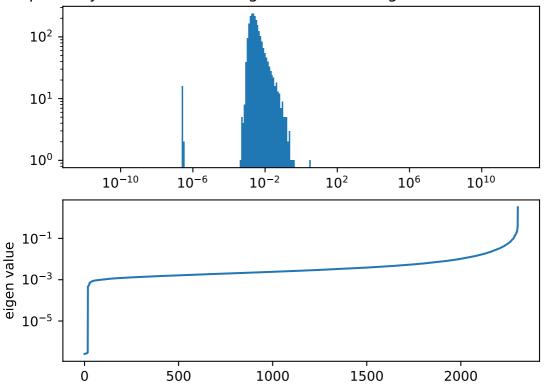


ep: 59 layer2.1.conv1 maxeig: 1.1e+01 mineig: 1.7e-04 con: 6.2e+04  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10  $10^{-6}$  $10^{-2}$ 10<sup>6</sup> 10<sup>2</sup>  $10^{1}$ eigen value  $10^{-1}$ 10<sup>-3</sup> 200 400 600 800 1000 1200

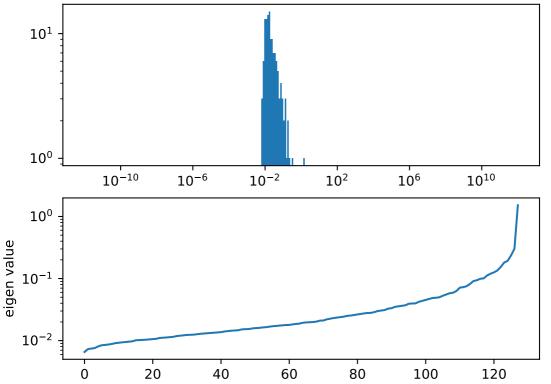


ep: 59 layer3.0.conv1 maxeig: 1.1e+01 mineig: 1.1e-03 con: 1.0e+04  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10 10<sup>6</sup>  $10^{-6}$  $10^{-2}$ 10<sup>2</sup>  $10^{1}$ 10<sup>0</sup> eigen value  $10^{-1}$  $10^{-2}$ 10<sup>-3</sup> 200 400 600 800 1000 1200

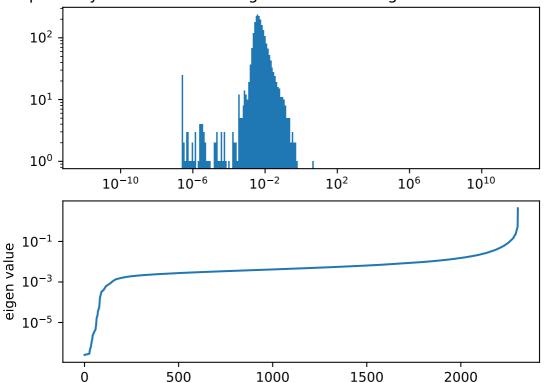
ep: 59 layer3.0.conv2 maxeig: 3.2e+00 mineig: 2.5e-07 con: 1.3e+07



ep: 59 layer3.0.shortcut.0 maxeig: 1.5e+00 mineig: 6.6e-03 con: 2.3e+02



ep: 59 layer3.1.conv1 maxeig: 4.3e+00 mineig: 2.5e-07 con: 1.7e+07



ep: 59 layer3.1.conv2 maxeig: 8.0e-01 mineig: 1.3e-07 con: 6.3e+06  $10^{2}$  $10^{1}$ 10<sup>0</sup> 1010 10-10  $10^{-6}$ 10<sup>2</sup> 10<sup>6</sup>  $10^{-2}$ 10<sup>0</sup>  $10^{-2}$  $10^{-4}$  $10^{-6}$ 

1000

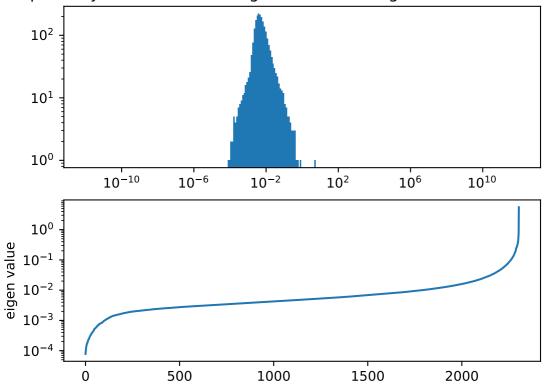
1500

2000

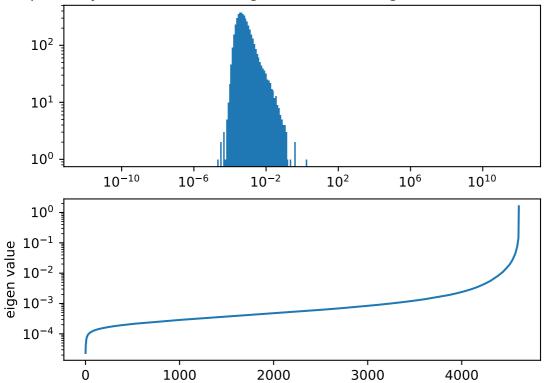
500

eigen value

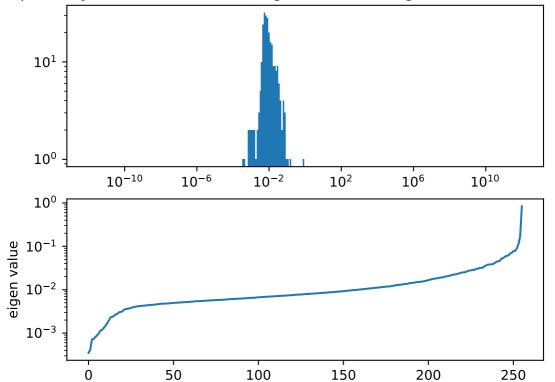
ep: 59 layer4.0.conv1 maxeig: 5.5e+00 mineig: 7.8e-05 con: 7.1e+04



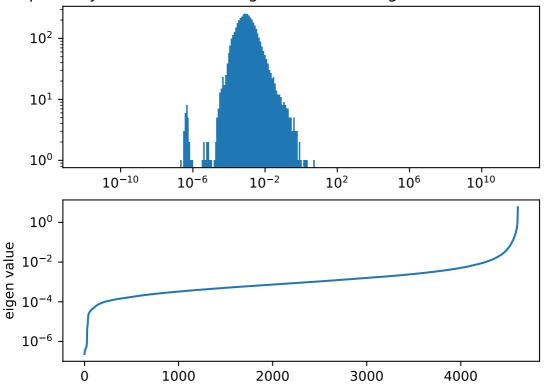
ep: 59 layer4.0.conv2 maxeig: 1.6e+00 mineig: 2.3e-05 con: 6.8e+04



ep: 59 layer4.0.shortcut.0 maxeig: 8.4e-01 mineig: 3.5e-04 con: 2.4e+03



ep: 59 layer4.1.conv1 maxeig: 5.8e+00 mineig: 2.3e-07 con: 2.5e+07



ep: 59 layer4.1.conv2 maxeig: 3.7e+00 mineig: -3.5e-08 con: 1.3e+11

