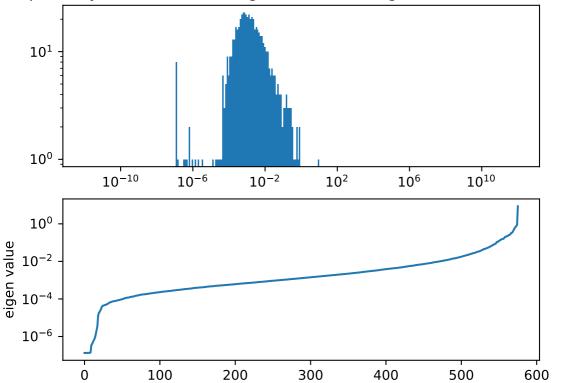
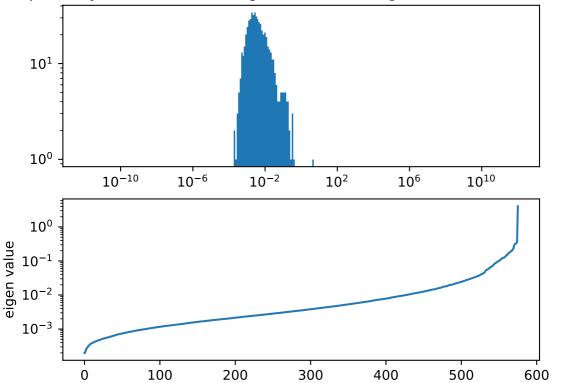
ep: 69 conv1 maxeig: 5.8e+01 mineig: 3.8e-03 con: 1.5e+04 3×10^{0} 2×10^{0} 10⁰ 1010 10-10 10-6 10-2 10² 10⁶ 10¹ eigen value 10⁻¹ 10^{-2} 10 15 25 20

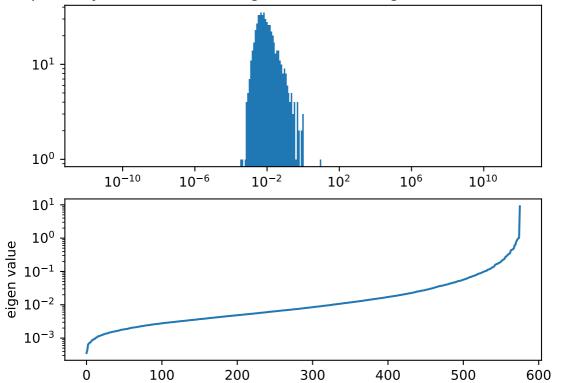
ep: 69 layer1.0.conv1 maxeig: 8.6e+00 mineig: 1.3e-07 con: 6.5e+07



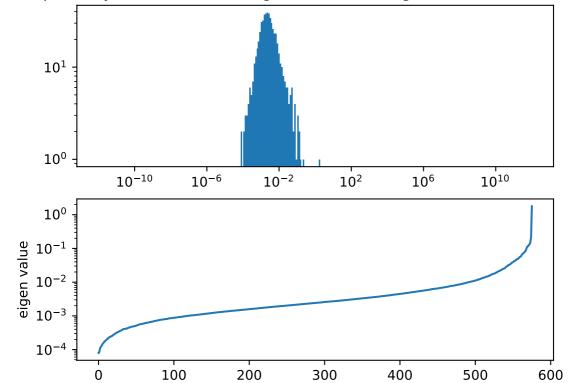
ep: 69 layer1.0.conv2 maxeig: 4.0e+00 mineig: 2.0e-04 con: 2.0e+04



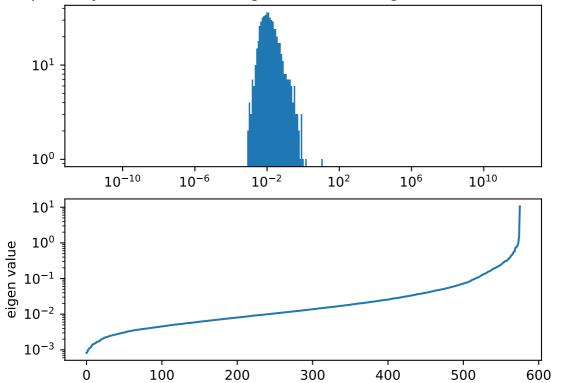
ep: 69 layer1.1.conv1 maxeig: 9.0e+00 mineig: 3.6e-04 con: 2.5e+04



ep: 69 layer1.1.conv2 maxeig: 1.8e+00 mineig: 7.9e-05 con: 2.2e+04



ep: 69 layer2.0.conv1 maxeig: 1.1e+01 mineig: 8.2e-04 con: 1.3e+04



ep: 69 layer2.0.conv2 maxeig: 3.3e+00 mineig: 5.8e-04 con: 5.8e+03 10^{2} 10^{1} 10⁰ 1010 10-10 10^{-2} 10^{-6} 10² 10⁶ 10⁰ eigen value 10^{-1} 10^{-2} 10^{-3}

600

800

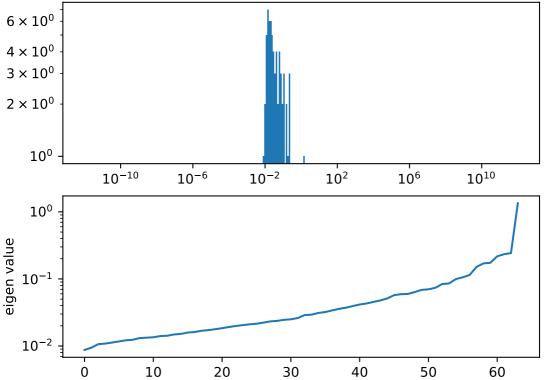
1000

1200

200

400

ep: 69 layer2.0.shortcut.0 maxeig: 1.3e+00 mineig: 8.7e-03 con: 1.5e+02

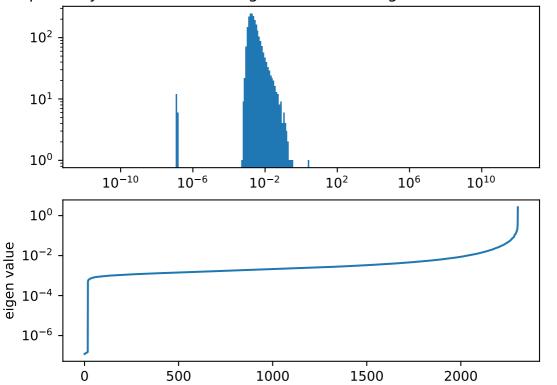


ep: 69 layer2.1.conv1 maxeig: 9.0e+00 mineig: 5.3e-05 con: 1.7e+05 10^{2} 10^{1} 10^{0} 1010 10-10 10^{-6} 10-2 10⁶ 10² 10^{1} eigen value 10⁻³ 200 400 600 800 1000 1200

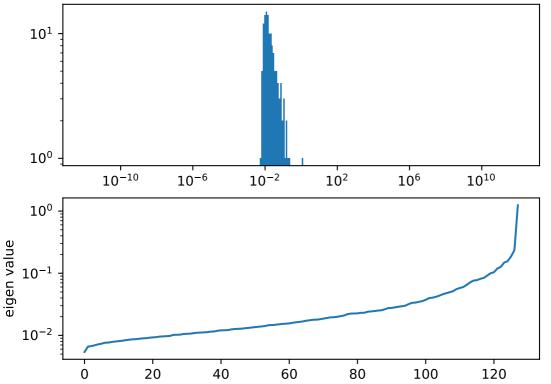
ep: 69 layer2.1.conv2 maxeig: 5.4e-01 mineig: 6.9e-05 con: 7.9e+03 10² 10^{1} 10⁰ 1010 10-10 10-2 10² 10⁶ 10^{-6} 10^{-1} eigen value 10 -3 10^{-4} 200 400 600 800 1000 1200

ep: 69 layer3.0.conv1 maxeig: 9.2e+00 mineig: 1.2e-03 con: 7.5e+03 10^{2} 10^{1} 10^{0} 1010 10-10 10^{-6} 10^{-2} 10² 10⁶ 10^{1} 10° eigen value 10^{-1} 10-2 10⁻³ 200 400 600 800 1000 1200

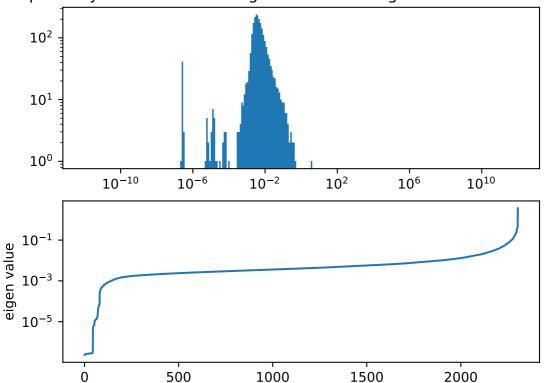
ep: 69 layer3.0.conv2 maxeig: 2.6e+00 mineig: 1.2e-07 con: 2.2e+07



ep: 69 layer3.0.shortcut.0 maxeig: 1.2e+00 mineig: 5.4e-03 con: 2.3e+02



ep: 69 layer3.1.conv1 maxeig: 3.6e+00 mineig: 2.4e-07 con: 1.5e+07



ep: 69 layer3.1.conv2 maxeig: 6.2e-01 mineig: 1.3e-07 con: 4.7e+06 10² 10¹ 10⁰ 1010 10-10 10^{-6} 10^{-2} 10² 10⁶ 10⁰ 10^{-2} 10^{-4} 10^{-6}

1000

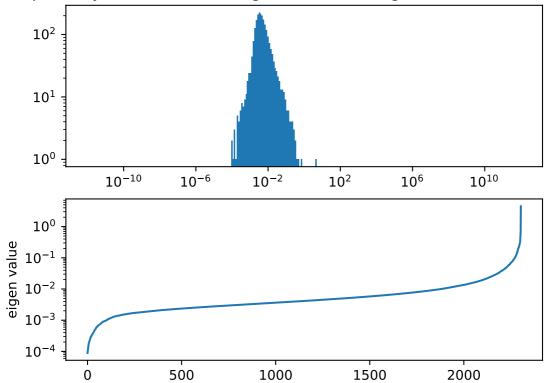
1500

2000

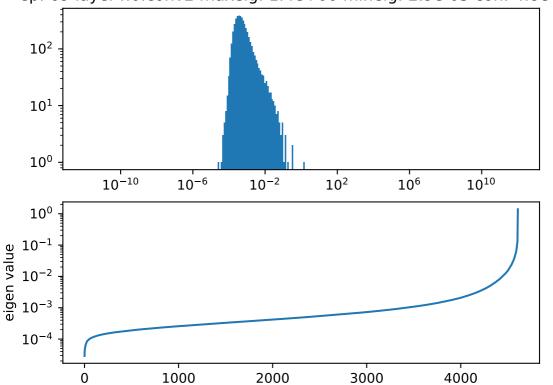
500

eigen value

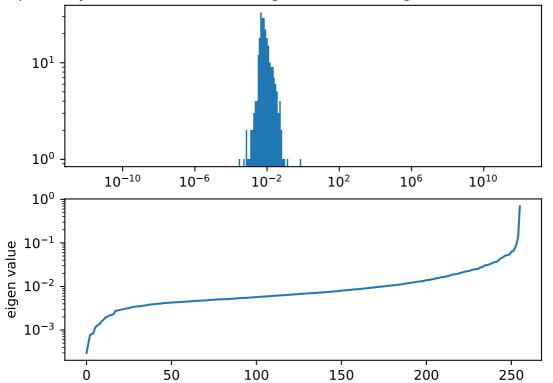
ep: 69 layer4.0.conv1 maxeig: 4.5e+00 mineig: 8.9e-05 con: 5.0e+04



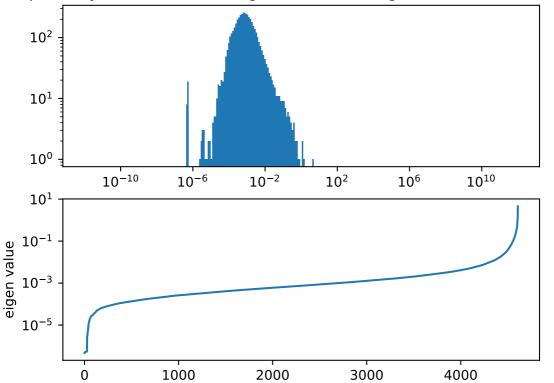
ep: 69 layer4.0.conv2 maxeig: 1.4e+00 mineig: 2.9e-05 con: 4.8e+04



ep: 69 layer4.0.shortcut.0 maxeig: 6.9e-01 mineig: 3.0e-04 con: 2.3e+03



ep: 69 layer4.1.conv1 maxeig: 4.6e+00 mineig: 4.7e-07 con: 9.7e+06



ep: 69 layer4.1.conv2 maxeig: 4.2e+00 mineig: 5.5e-09 con: 7.8e+08 10^{3} 10^{2} 10¹ 10⁰ 10-10 1010 10⁶ 10^{-6} 10^{-2} 10² 10^{1} 10^{-1} eigen value 10^{-3} 10⁻⁵ 10^{-7}

2000

3000

4000

1000

