|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | VGG16 | | VGG19 | |
|  | Adam[[1]](#footnote-1) | RMSProp[[2]](#footnote-2) | Adam | RMSProp |
| MNIST | 2.50e-04 | 1.00e-04 | 2.50e-04 | 2.50e-05 |
| Fashion MNIST | 2.50e-04 | 5.00e-05 | 1.00e-05 | 5.00e-05 |
| CIFAR 10 | 1.00e-04 | 5.00e-05 | 1.00e-04 | 2.50e-05 |
| CIFAR100 (Coarse) | 1.00e-04 | 2.50e-04 | 7.50e-05 | 1.00e-04 |
| CIFAR100 (Fine) | 1.00e-04 | 1.00e-04 | 5.00e-05 | 1.00e-04 |

1. For all runs β1=0.9, β2=0.999, decay=0 [↑](#footnote-ref-1)
2. For all runs ρ=0.9, momentum=0, centered=0, decay=0 [↑](#footnote-ref-2)