

# MNIST - GPU Layer Speedup

70

60

50

40

30

20

10

0

GPU

GPU-cuDNN

- Forward Layer (mnist,Data)
- Forward Layer (conv1,Convolution)
- Forward Layer (pool1,Pooling)
- Forward Layer (conv2,Convolution)
- Forward Layer (pool2,Pooling)
- Forward Layer (ip1,InnerProduct)
- Forward Layer (relu1,ReLU)
- Forward Layer (ip2,InnerProduct)
- Forward Layer (loss,SoftmaxWithLoss)
- Backward Layer (loss,SoftmaxWithLoss)
- Backward Layer (ip2,InnerProduct)
- Backward Layer (relu1,ReLU)
- Backward Layer (ip1,InnerProduct)
- Backward Layer (pool2,Pooling)
- Backward Layer (conv2,Convolution)
- Backward Layer (pool1,Pooling)
- Backward Layer (conv1,Convolution)