下载源文件

得分100.00 最后一次提交时间:2023-03-04 17:46:53

Accept

CPU推断平均正确率	DLP推断平均正确率	CPU推断平均耗时	DLP推断平均耗时	平均耗时相差比例
0.9840	0.9837	1.7249	0.0173	99.5207

-------- TEST CPU --------
Loading MNIST data from files...
Load images from ../mnist_data/train-images-idx3-ubyte, number: 60000, data shape: (60000, 784)
Load images from ../mnist_data/train-labels-idx1-ubyte, number: 60000, data shape: (60000, 1)
Load images from ../mnist_data/t10k-images-idx3-ubyte, number: 10000, data shape: (10000, 784)
Load images from ../mnist_data/t10k-labels-idx1-ubyte, number: 10000, data shape: (10000, 1)
Building multi-layer perception model...
Fully connected layer with input 784, output 1024.
ReLU layer.
Fully connected layer with input 1024, output 1024.
ReLU layer.
Fully connected layer with input 1024, output 10.
Softmax loss layer.
Fully connected layer with input 1024, output 10.
Softmax loss layer.
Initializing parameters of each layer in MLP...
Loading parameters from file stu_upload/weight.npy
inferencing time: 1.724893
Accuracy in test set: 0.984000
-------- TEST DLP --------
CNML: 7.3.0 64ec78d
CNRT: 4.3.0 2c5fed3
CORE NUM: 16
CORE VERSION: 5
input_shape: [10000 784 1 1]
creating mlp layer ...
output_shape: [10000 1024 1 1]
creating relu layer ...
output_shape: [10000 1024 1 1]
creating mlp layer ...
output_shape: [10000 1024 1 1]
creating relu layer ...
output_shape: [10000 1024 1 1]
creating mlp layer ...
output_shape: [10000 10 1 1]
creating softmax layer ...
output_shape: [10000 10 1 1]
Loading MNIST data from files...
Load images from ../mnist_data/t10k-images-idx3-ubyte, number: 10000, data shape: (10000, 784)
Load images from ../mnist_data/t10k-labels-idx1-ubyte, number: 10000, data shape: (10000, 1)
Loading parameters from file stu_upload/weight.npy
loading params for layer fc1 ...
weight size: 802816
load weight time in C++: 548308
loading params for layer fc2 ...
weight size: 1048576
load weight time in C++: 503921
loading params for layer fc3 ...
weight size: 10240
load weight time in C++: 236983
setInputData time in C++: 18848

```
2023-03-04 09:50:03.012736: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
2023-03-04 09:50:03.017506: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
2023-03-04 09:50:03.027273: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
2023-03-04 09:50:03.032044: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
2023-03-04 09:50:03.041509: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
2023-03-04 09:50:03.046207: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
2023-03-04 09:50:03.053895: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
2023-03-04 09:50:03.061925: [cnrtError] [8] [Card : 0] Get device core num shouldn't be 0
inferencing time: 0.055396
Accuracy in test set: 0.983700
setInputData time in C++: 19794
inferencing time: 0.017073
Accuracy in test set: 0.983700
setInputData time in C++: 16712
inferencing time: 0.018099
Accuracy in test set: 0.983700
setInputData time in C++: 16476
inferencing time: 0.017015
Accuracy in test set: 0.983700
setInputData time in C++: 16885
inferencing time: 0.017040
Accuracy in test set: 0.983700
setInputData time in C++: 16813
inferencing time: 0.017709
Accuracy in test set: 0.983700
setInputData time in C++: 16811
inferencing time: 0.017254
Accuracy in test set: 0.983700
setInputData time in C++: 16861
inferencing time: 0.016988
Accuracy in test set: 0.983700
setInputData time in C++: 16775
inferencing time: 0.017780
Accuracy in test set: 0.983700
setInputData time in C++: 16931
inferencing time: 0.017030
Accuracy in test set: 0.983700
```