

Weekly Report of Research Work

WR-ABS-TEMP-2015A-No.018

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Contents

1	Work	2
2	Problem	2
3	The configuration of the computer	2
4	Writing my own Residual Learning network codes	2

1 Work

1. Setting Linux environment on PC and setting GPU successfully.
2. Studying the Residual Learning network codes.
3. Rewriting the Residual Learning network codes.

2 Problem

1. There is a very serious problem that there are 2 days off of market each week, so the gold price doesn't change in these days, which will generate large errors. Until now, I haven't find a good way to overcome this problem.

3 The configuration of the computer

It took me nearly the whole week to configure the computer for GPU computing support, but fortunately, everything has been done successfully!

Thanks to Zihao Wang.

Then, I have run the sample attached to the Residual Learning network codes. However, there is a small problem that when the parameters of the network are over 1,000,000, the program will run out of the 2G memory of this GPU. Maybe I could reduce the numbers of data of the Gold.

4 Writing my own Residual Learning network codes

I have spent my weekend on reading the codes that I downloaded from Github. And then, I have begun to write my own Residual Learning network codes with so many difficulties. But I'm solving these problems step-by-step at present.

The next week, I'm going to runing my codes for the first time.