note of experiment in week6

zxp

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1 environment

cpu:Intel(R) Xeon(R) Gold 6330 CPU @ 2.00GHz (56 cores were applied)

gpu:rtx3090(a piece was applied)

System:CentOS7

Compiler:9.5

2 Experiment

I tried to put im2col on GPU this week, but it is not implemented at present, and there are a bunch of bugs. Now im2col has a high probability that it is OK. The GPU version of im2col plus the CPU version that converts the matrix back to the tensor is OK when the input tensor and filter are small, but it will not run if the parameter is larger. And enough memory, but there is a problem to move data from the GPU back to the CPU, there is no error, the program to that part of the direct crash, the reason is unknown. The video memory management and moving parts are messy and still being sorted out