

PRESENTATION OUTLINE: — Parallelization between Layers of Convolutional Neural Networks to create 3D Object Reconstruction

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1 Introduction

- Project title and introduce thyself

2 Literature review

- Describe some points of chosen papers (How to parallelize layers of CNN)
- Some previous technique discussion (Data parallelism, model parallelism etc.)
- Brief analysis of previous work (Analyze specifically model parallelism technique)

3 Project Discussion

- CNN and it's evolution
- Basic Python and Tensorflow introduction
- How CNN is integrated to the project
- Algorithm
- Runtime analysis of the algorithm
- Limitation

4 Parallelism

- Basic idea of parallelism [simple vectorAdd example in Python]
- Overview of cuDNN[cuda library]
- How cuDNN integrates to the project

5 Experiment

- Implementation of the project
- Analysis of result
- Comparison with other papers[it can be changed depending on results]

6 Application

- Motivation
- Possible application of the work
- Future work

7 Discussion

- Ask question 1
- Ask question 2
- Ask question 3