My Beamer LATEX Templete

A Demo for the theme

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- 1. Introduction
- 2. Background
- 3. Chinese
- 4. Code Block
- 5. Algorithm

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Introduction

• This is just a short example

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- It works with xeLaTeX

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Background

Slides with LATEX

Beamer offers a lot of functions to create nice slides using LATEX.

The basis

This style uses the following default styles:

- split
- whale
- rounded
- orchid

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中文

• 本主题支持中文。

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 - Python
 - C++
- 5. Algorithm

Python

```
# *-* coding: utf-8 *-*

import torch # root package
import torch.autograd as autograd # computation graph
import torch.nn as nn # neural networks
import torch.nn.functional as F # layers, activations and more
import torch.optim as optim # optimizers e.g. gradient descent, ADAM, etc.
from torch import Tensor # tensor node in the computation graph
from torch.jit import script # hybrid frontend decorator and tracing jit
from torch.jit import trace
```

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C++

```
void DifferentThing(const std::string &s) {
  std::cout << "DifferentThing " << s << std::endl;
int main (int argc, char *argv[]){
  if (argc > 2) {
    std::string param1(argv[1]);
    std::string param2(argv[2]);
    if (param1 == "function1")
    std::cout << param2 << std::endl;
    else if (param1 == "function2")
    DifferentThing(param2);
  return 0:
```

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```
Algorithm
```

```
Input: \operatorname{HOSVD}(X, R_1, R_2, \dots, R_N)
Output: \mathcal{G}, A_{(1)}, A_{(2)}, \dots, A_{(N)}

1 for k = 1 to N do
2 A_{(n)} \leftarrow R_n left singular matrix of X_{(n)}

3 end
4 \mathcal{G} = \leftarrow X \times A_{(1)}^T \times A_{(2)}^T, \dots, X_{(N)}^T
5 return \mathcal{G}, A_{(1)}, A_{(2)}, \dots, A_{(N)}
```

Algorithm 1: HOSVD