My Beamer LaTeX Templete

A Demo for the theme

cycleke@gmail.com

Harbin Institute of Technology
School of Science and Technology

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- It works with xeLaTeX

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

- 本主题支持中文。

```
# *-* 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
```

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

1 **for** $k = 1$ *to* N **do**
2 $\quad A_{(n)} \leftarrow R_n$left singular matrix of $X_{(n)}$
3 **end**
4 $\mathcal{G} = \leftarrow \mathcal{X} \times A_{(1)}^T \times A_{(2)}^T \ldots\ldots \times A_{(N)}^T$
5 **return** $\mathcal{G}, A_{(1)}, A_{(2)} \ldots\ldots A_{(N)}$

Algorithm 1: HOSVD