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YTU Beamer Theme

Presentation

XXX

School of Computer and Control Engineering
Yantai University

2022 年 3 月 16 日

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Original Template

- Modify from this theme [unk15]

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Original Template

- Modify from this theme [unk15]
- Overleaf https://www.overleaf.com/latex/templates/thu-beamer-theme/vwnqmzndvwyb

Original Template

- Modify from this theme [unk15]
- Overleaf `https://www.overleaf.com/latex/templates/`
  `thu-beamer-theme/vwnqmzndvwyb`
- GitHub Page
  `https://github.com/Trinkle23897/THU-Beamer-Theme`

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Beamer Features

- More features come from
  https://www.latexstudio.net/archives/4051.html

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Formatting Samples

Equation without numbers

$$J(\theta) = \mathbb{E}_{\pi_\theta}[G_t] = \sum_{s \in \mathcal{S}} d^\pi(s) V^\pi(s) = \sum_{s \in \mathcal{S}} d^\pi(s) \sum_{a \in \mathcal{A}} \pi_\theta(a|s) Q^\pi(s, a)$$
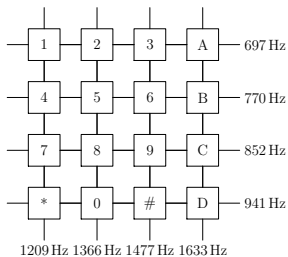
Multiple equations[1]

$$Q_{\mathrm{target}} = r + \gamma Q^\pi(s', \pi_\theta(s') + \epsilon) \tag{1}$$
$$\epsilon \sim \mathrm{clip}(\mathcal{N}(0, \sigma), -c, c)$$

---

[1] If containing text in equations, use \mathrm{} or \text{}

Equation with numbers

$$
\begin{aligned}
A = \lim_{n \to \infty} \Delta x \Big(a^2 &+ \left(a^2 + 2a\Delta x + (\Delta x)^2 \right) \\
&+ \left(a^2 + 2 \cdot 2a\Delta x + 2^2 (\Delta x)^2 \right) \\
&+ \left(a^2 + 2 \cdot 3a\Delta x + 3^2 (\Delta x)^2 \right) \\
&+ \ldots \\
+ \left(a^2 + 2 \cdot (n-1) a\Delta x \right. &\left. + (n-1)^2 (\Delta x)^2 \right) \Big) \\
&= \frac{1}{3} \left(b^3 - a^3 \right) \quad (2)
\end{aligned}
$$

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Figure and Column

LaTeX Commands

Commands

\chapter	\section	\subsection	\paragraph
Chapter	Section	Subsection	Paragraph
\centering	\emph	\verb	\url
Centre Align	Emphasis	Verbatim	Hyperlink
\footnote	\item	\caption	\includegraphics
Foodnote	Item	Caption	FigP&Pic
\label	\cite	\ref	
Label	Citing	Referring	

Environment Command

table	figure	equation
Table	Figure	Equation
itemize	enumerate	description
Bullets	Numbering	Description

LᴬTᴇX Environment Command Samples

```
1   \begin{itemize}
2     \item A \item B
3     \item C
4     \begin{itemize}
5        \item C-1
6     \end{itemize}
7   \end{itemize}
```

- A
- B
- C
    - C-1

LaTeX Environment Command Samples

```
1  \begin{itemize}
2    \item A \item B
3    \item C
4    \begin{itemize}
5      \item C-1
6    \end{itemize}
7  \end{itemize}
```

- A
- B
- C
  - C-1

```
1  \begin{enumerate}
2    \item Class 1
3    \item Class 2
4    \item Class 2
5    \begin{itemize}
6      \item[n+e] Student 1
7    \end{itemize}
8  \end{enumerate}
```

1. Class 1
2. Class 2
3. Class 3
   n+e Student 1

LaTeX Equations

```
1   $V = \frac{4}{3}\pi r^3$
2
3   \[
4     V = \frac{4}{3}\pi r^3
5   \]
6
7   \begin{equation}
8     \label{eq:vsphere}
9     V = \frac{4}{3}\pi r^3
10  \end{equation}
```

$V = \frac{4}{3}\pi r^3$

$$V = \frac{4}{3}\pi r^3$$

$$V = \frac{4}{3}\pi r^3 \qquad (3)$$

- Check more Here

```latex
1  \begin{table}[htbp]
2    \caption{Definition}
3    \label{tab:number}
4    \centering
5    \begin{tabular}{cl}
6      \toprule
7      Word & Definition \\
8      \midrule
9      1 & 4.0 \\
10     2 & 3.7 \\
11     \bottomrule
12   \end{tabular}
13 \end{table}
14 Check definition of
15 Equation~(\ref{eq:vsphere})
16 in Table~\ref{tab:number}。
```

表 1: Definition

Eq.	Def.
1	4.0
2	3.7

Please check the definition of Equation (3) in Table 1

Plotting

- Vector: eps, ps, pdf
    - METAPOST, pstricks, pgf . . .
    - Xfig, Dia, Visio, Inkscape . . .
    - Export Matlab / Excel as pdf
- Bitmap: png, jpg, tiff . . .
    - Avoiding using bitmaps

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Thanks!