LaTeX Beamer Template

Zhao Chi

St.Petersburg State University
Faculty of Applied Mathematics and Control Processes
dandanv5@hotmail.com

Presentation – xxxxx, February 2021

Table of contents slide

1. First Section
   - Block
   - List
   - Column
2. Section2
   - Figure
   - Table
3. Sectoin 3
   - Multiline Equation
   - Array and matrix

The use of block

In this slide, some important text will be highlighted because it's important. Please, don't abuse it.

Remark

Sample text

Important theorem

Sample text in red box

Examples

Sample text in green box. The title of the block is "Examples".

The use of list

This frame is used to test list.

1. First item in a list.
2. Second item.

How to separate columns?

This is a text in first column.

$$E = mc^2$$

- First item
- Second item

This text will be in the second column and on a second tought this is a nice looking layout in some cases.

Figure

Single figure.

Figure 1: SPBU

Multi Figure.

a)

b)

Figure 2: a) image “SPBU”; b) “PMPU”.

How to use Table

This frame is used to show how to use Table.

Table 1: Sample of student weight

Num	Gender	Age	Height/cm	Weight/kg
1	F	14	156	42
2	F	16	158	45
3	M	14	162	48
4	M	15	163	50
Average		15	159.75	46.25

Multiline Equation

Aligning several equations with no numbers [1] .

$$\begin{aligned} x &= y & w &= z & a &= b + c \\ 2x &= -y & 3w &= \frac{1}{2}z & a &= b \\ -4 + 5x &= 2 + y & w + 2 &= -1 + w & ab &= cb \end{aligned}$$

Other way.

$$\begin{aligned} x &= y & w &= z & a &= b + c \\ 2x &= -y & 3w &= \frac{1}{2}z & a &= b \\ -4 + 5x &= 2 + y & w + 2 &= -1 + w & ab &= cb \end{aligned} \tag{1}$$

Multiline Equation

$$
\begin{aligned}
a+b+c+d+e+f+g+h+i & \\
&= j+k+l+m+n \\
&= o+p+q+r+s \\
&= t+u+v+x+z
\end{aligned} \tag{2}
$$

$$
\begin{aligned}
a+b+c+d+e+f+g+h+i & \qquad (3)\\
&= j+k+l+m+n \\
&= o+p+q+r+s \qquad \text{(dumb)}\\
&= t+u+v+x+z
\end{aligned}
$$

(4)

Matrix

$$\mathbb{P} = \begin{bmatrix} p_{11} & p_{12} & \cdots & p_{1n} \\ p_{21} & p_{22} & \cdots & p_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ p_{m1} & p_{m2} & \cdots & p_{mn} \end{bmatrix}$$

Array

$$|x| = \begin{cases} -x & \text{if } x < 0, \\ 0 & \text{if } x = 0, \\ x & \text{if } x > 0. \end{cases}$$

$$|x| = \left\{ \begin{array}{ll} -x & \text{if } x < 0, \\ 0 & \text{if } x = 0, \\ x & \text{if } x > 0. \end{array} \right.$$

References

[1] Tobias Oetiker et al. “The not so short introduction to LATEX2ε”. In: (1995).

Thanks for your attention

LaTeX Beamer Template

Zhao Chi

Presentation – xxxxx, February 2021