A brief example in English

For SCU Beamer Theme

Linrong Wu

Management Science
Business School, Sichuan University
lr.wu.interact@outlook.com

October 6, 2025

Outline

Info.

lr.wu.interact@outlook.com
https://github.com/FvNCCR228/SCU-Beamer-Theme

Outline

Math Blocks I

Theorem 2.1: A Theorem

$$\frac{1}{n}\sum_{k=1}^{n} X_k - \frac{1}{n}\sum_{k=1}^{n} E(X_k) \xrightarrow{P} 0 \tag{1}$$

Proof.

A proof block. □

Example 2.1: An Example

An example block.

Math Blocks II

Algorithm 2.1: An Algorithm

Require: LaTeX
Ensure: Computer
1: ST
2: A
3: TE
4: **return** Beamer

Definition 2.1: A Defintion
A definition block.

Axiom 2.1: An Axiom
An axiom block. Reference to Definition 2.1

Math Blocks III

Property 2.1: A Property

A property block. Reference to Axiom 2.1

Proposition 2.1: A Proposition

A proposition block. Reference to property 2.1

$$\Delta x \Delta p \geq \frac{h}{4\pi} \tag{2}$$

其中 h 为普朗克常数.

Lemma 2.1: A lemma

A lemma block. Reference to proposition 2.1

Math Blocks IV

Corollary 2.1: A Corollary

A corollary block.

Remark

A remark block.

Condition 2.1: A Condition

A condition block.

Conclusion 2.1: A Conclusion

A conclusion block.

Math Blocks V

Assumption 2.1: An Assumption

An assumption block.

A Stared Block

Theorem: A Stared Theorem Block(after title: Theorem)

- One
- Two
- Three
- Four

Another Stared Theorem Block(after title: Theorem)

- Five
- Six
- Seven
- Eight

A Stared Block

Theorem: A Stared Theorem Block(after title: Theorem)

- One
- Two Two
- Three
- Four

Another Stared Theorem Block(after title: Theorem)

- Five
- Six
- Seven
- Eight

A Stared Block

Theorem: A Stared Theorem Block(after title: Theorem)

- One
- Two
- Three
- Four

Another Stared Theorem Block(after title: Theorem)

- Five
- Six Six
- Seven
- Eight

A Stared Block

Theorem: A Stared Theorem Block(after title: Theorem)

- One
- Two
- Three
- Four

Another Stared Theorem Block(after title: Theorem)

- Five
- Six
- Seven
- Eight

A Stared Block

Theorem: A Stared Theorem Block(after title: Theorem)

- One
- Two
- Three
- Four

Another Stared Theorem Block(after title: Theorem)

- Five
- Six
- Seven
- Eight

Outline

Source Code Block | With frame option “fragile”

Source Code 2.1: A Cpp Program.

```cpp
#include <iostream>
int main()
{
  std::cout << "Hello World!" << std::endl;
  std::cin.get();
}
```

Source Code 2.2: A Python Program.

```python
for i in range(1,5):
  for j in range(1,5):
    for k in range(1,5):
      if( i != k ) and (i != j) and (j != k):
        print (i,j,k)
```

Source Code Block | With frame option “fragile”

Source Code 2.1: A Cpp Program.

```cpp
#include <iostream>
int main()
{
  std::cout << "Hello World!" << std::endl;
  std::cin.get();
}
```

Source Code 2.2: A Python Program.

```python
for i in range(1,5):
  for j in range(1,5):
    for k in range(1,5):
      if( i != k ) and (i != j) and (j != k):
        print (i,j,k)
```

A Stared Source Code Block

Source Code: A Stared Block.

```cpp
#include <iostream>
int main()
{
  std::cout << "Hello World! " << std::endl;
  std::cin.get();
}
```

Another Stared Theorem Block.

```python
for i in range(1,5):
  for j in range(1,5):
    for k in range(1,5):
      if( i != k ) and (i != j) and (j != k):
        print (i,j,k)
```

Highlight Line

Source Code 2.4: Highlight Line.

```cpp
#include <iostream>
int main()
{
  std::cout << "Hello World! " << std::endl;
  std::cin.get();
}
```

Source Code 2.5: Highlight Line.

```python
for i in range(1,5):
  for j in range(1,5):
    for k in range(1,5):
      if( i != k ) and (i != j) and (j != k):
        print (i,j,k)
```

refer source codes 2.4 and 2.5

LaTeX Comment | Escapeinline

If you wanna add comments to the back of the line, it is recommended to use the corresponding language comment directly.

Source Code 2.6: Comment.

```
#include <iostream>
int main()
{// π
  std::cout << "Hello World! " << std::endl; # LaTeX out hEllo wOrld
  ∑_π^ϕ α+Γ  std::cin.get();
}
```

Source Code 2.7: Comment

```
for i in range(1,5):
  for j in range(1,5): ∑_π^ϕ α+Γ
    for k in range(1,5): # ∑_π^ϕ α+Γ
      if( i != k ) and (i != j) and (j != k):
        print (i,j,k)
```

Overlay & Label | Escapeinline

Source Code 2.8: Comment.

```
1 #include <iostream>
2 int main()
3 {
4   std::cout << "Hello World! " << std::endl; // Value 1
5   std::cin.get();
6 }
```

Source Code 2.9: Comment

```
1 for i in range(1,5):
2   for j in range(1,5):
3     for k in range(1,5):
4       if( i != k ) and (i != j) and (j != k):
5         print (i,j,k)
```

Reference to Line 4, the if statement.

Overlay & Label | Escapeinline

Source Code 2.8: Comment.

```
1 #include <iostream>
2 int main()
3 {
4   std::cout << "Hello World! " << std::endl; // Value 2
5   std::cin.get();
6 }
```

Source Code 2.9: Comment

```
1 for i in range(1,5):
2   for j in range(1,5):
3     for k in range(1,5):
4       if( i != k ) and (i != j) and (j != k):
5         print (i,j,k)
```

Reference to Line 4, the if statement.

Source Code From File

Source Code 2.10: Source Code From File

以下是文件 A cpp.cpp 中包含的源码:

```
1 #include <iostream>
2
3 void Log(const char* message);
4
5 int main()
6 {
7   Log("Hello World!");
8   std::cin.get();
9 }
```

Thanks!