# **CUHK Beamer Template**

## Sample Slides

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## **Itemize Tests**

- One: Two Three
  - letterspacing
  - underlining
  - striking out
  - highlighting
  - CAPITALS, Small Capitals
  - Box
- Test Test Test

## Multi-Columns

All human things are subject to decay. And when fate summons, Monarchs must obey.

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there...

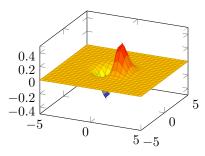


Figure: Plot  $z = x(-x^2 - y^2)$ 

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# 中文测试

- 这是简体中文: 加粗 + 下划线
  - 这是第二层
- 大部分中文字体不支持斜体命令\textit{}

披绣闼,俯雕甍,山原旷其盈视,川泽纡其骇瞩。闾阎扑地,钟鸣鼎食之家;舸舰弥津,青雀黄龙 之舳。云销雨霁,彩彻区明。落霞与孤鹜齐飞,秋水共长天一色。渔舟唱晚,响穷彭蠡之滨;雁阵 惊寒,声断衡阳之浦。

# 中文測試

- 這是繁體中文: 加粗 + 下劃線
  - 這是第二層
- 大部分中文字體不支持斜體命令\textit{}

披繡闥,俯雕甍。山原曠其盈視,川澤紆其駭矚。閭閻撲地,鐘鳴鼎食之家;舸艦彌津,青雀黃龍 之舳。雲銷雨霽,彩徹區明。落霞與孤鶩齊飛,秋水共長天一色。漁舟唱晚,響窮彭蠡之濱;雁陣 驚寒,聲斷衡陽之浦。

## **Citation Tests**

■ Yao's Millionaires' problem<sup>1</sup>

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<sup>&</sup>lt;sup>1</sup>A. C. Yao (1982). "Protocols for Secure Computations". In: Proceedings of the 23rd Annual Symposium on Foundations of Computer Science. SFCS '82. USA: IEEE Computer Society, pp. 160–164.

# Algorithm Test

#### **Algorithm 1:** Basic algorithm for Abstract Interpretation

## Code Test

```
fn main() {
    println!("Hello World!");
}
```

■ Inline code is also supported: **fn** main() { }

## Math Test

- **1** Symbols:  $\alpha, \beta, \gamma, \delta, \epsilon, \varepsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \lambda, \nu, \xi, \varpi, \rho, \rho, \sigma, \zeta, \tau, v, \phi, \varphi, \chi, \psi, \omega$ ;
- 2 Symbols:  $f'', \sqrt{a}, \overrightarrow{a}, \subset, \supset$

$$\int_{\mathcal{M}} \int_{\mathcal{M}} \int$$

Complex equation:

lim

$$\sum_{n=1}^{\infty} \frac{(-1)^{n-1}}{n} \sum_{m=0}^{\infty} \frac{1}{n2^m + 1} \int_0^{x^2} \frac{\pi \left(\sqrt[4]{1+t} - 1\right) \sin t^4}{\sum_{n=1}^{\infty} \frac{(-1)!^2 \left(2t\right)^{2n}}{(2n)!} \int_0^1 \frac{(1-2x) \ln (1-x)}{x^2 - x + 1} \mathrm{d}x } = \frac{27}{32}$$

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# Theorem/Lemma/Corollary/Proof

Fancy style theorem:

#### **Theorem 1: Pythagorean Theorem**

For a right triangle with legs a and b and hypotenuse c,

$$a^2 + b^2 = c^2.$$

This is a reference to Theorem 1.

Normal style theorem:

#### Theorem (Fixed-point Theorem)

In a lattice L with finite height, every monotone function  $f:L\to L$  has a unique least fixed-point denoted fix(f) defined as:

$$fix(f) = \bigsqcup_{i \ge 0} f^i(\bot)$$

# Theorem/Lemma/Corollary/Proof

#### Lemma (Lemma Name)

$$x + y = y + x$$

#### Corollary (Corollary Name)

There's no right rectangle whose sides measure 3cm, 4cm, and 6cm.

## Proof (Theorem 1).

$$\omega + \phi = \epsilon$$



# Thank You

## References I

Yao, A. C. (1982). "Protocols for Secure Computations". In: Proceedings of the 23rd Annual Symposium on Foundations of Computer Science. SFCS '82. USA: IEEE Computer Society, pp. 160–164.