# Learn LaTeX 🚀

oeyoews

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# 目录

# 插图

# 1 Abstract

**摘要**

LaTeX documentation written as LaTeX! How novel and totally not my idea!

# 2 CN

## 2.1 滕王阁序

豫章故郡，洪都新府。星分翼轸，地接衡庐。襟三江而带五湖，控蛮荆而引瓯越。物华天宝，龙光射牛斗之墟；人杰地灵，徐孺下陈蕃之榻。雄州雾列，俊采星驰。台隍枕夷夏之交，宾主尽东南之美。都督阎公之雅望，[F]戟遥临；宇文新州之懿范，[F]帷暂驻。十旬休假，胜友如云；千里逢迎，高朋满座。腾蛟起凤，孟学士之词宗；紫电青霜，王将军之武库。家君作宰，路出名区；童子何知，躬逢胜饯。(豫章故郡 一作：南昌故郡；青霜 一作：清霜)

时维九月，序属三秋。潦水尽而寒潭清，烟光凝而暮山紫。俨骖[F]于上路，访风景于崇阿。临帝子之长洲，得天人之旧馆。层峦耸翠，上出重霄；飞阁流丹，下临无地。鹤汀凫渚，穷岛屿之萦回；桂殿兰宫，即冈峦之体势。(天人 一作：仙人；层峦 一作：层台；即冈 一作：列冈；飞阁流丹 一作：飞阁翔丹)

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。(轴 通：舳；迷津 一作：弥津；云销雨霁，彩彻区明 一作：虹销雨霁，彩彻云衢)

遥襟甫畅，逸兴遄飞。爽籁发而清风生，纤歌凝而白云遏。睢园绿竹，气凌彭泽之樽；邺水朱华，光照临川之笔。四美具，二难并。穷睇眄于中天，极娱游于暇日。天高地迥，觉宇宙之无穷；兴尽悲来，识盈虚之有数。望长安于日下，目吴会于云间。地势极而南溟深，天柱高而北辰远。关山难越，谁悲失路之人；萍水相逢，尽是他乡之客。怀帝阍而不见，奉宣室以何年？(遥襟甫畅 一作：遥吟俯畅)

嗟乎！时运不齐，命途多舛。冯唐易老，李广难封。屈贾谊于长沙，非无圣主；窜梁鸿于海曲，岂乏明时？所赖君子见机，达人知命。老当益壮，宁移白首之心？穷且益坚，不坠青云之志。酌贪泉而觉爽，处涸辙以犹欢。

北海虽赊，扶摇可接；东隅已逝，桑榆非晚。孟尝高洁，空余报国之情；阮籍猖狂，岂效穷途之哭！(见机 一作：安贫；以犹欢 一作：而相欢)

勃，三尺微命，一介书生。无路请缨，等终军之弱冠；有怀投笔，慕宗悫之长风。舍簪笏于百龄，奉晨昏于万里。非谢家之宝树，接孟氏之芳邻。他日趋庭，叨陪鲤对；今兹捧袂，喜托龙门。杨意不逢，抚凌云而自惜；钟期既遇，奏流水以何惭？

呜呼！胜地不常，盛筵难再；兰亭已矣，梓泽丘墟。临别赠言，幸承恩于伟饯；登高作赋，是所望于群公。敢竭鄙怀，恭疏短引；一言均赋，四韵俱成。请洒潘江，各倾陆海云尔。

滕王高阁临江渚，佩玉鸣鸾罢歌舞。

画栋朝飞南浦云，珠帘暮卷西山雨。

闲云潭影日悠悠，物换星移几度秋。

阁中帝子今何在？槛外长江空自流。

# 3 Instroduce ✨

Hello, Latex

## 4 Color

- Thsis a box tex
- this si admeo
- large text
- this is a grenn tex
- ~~delete line~~
- wave

# 5 Href

link test

## 5.1 Href Link

Click this link to test

fishforyou website [1]

[1] book

# 6 Emoji 🚀

These are colour emojis using the `emoji` package and LuaLaTeX:
leaves 🍃 rose 🌹 link 🔗 😄 🐒 ✨ 📖 ✏️
You can use emoji-modifiers: 👩🏽‍💼 👨‍👧 🇲🇾 🇬🇧

# 7 embed thebibliography

# 参考文献

[1] Zheng L, Wang S, Tian L, et al., Query-adaptive late fusion for image search and person re-identification, Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition, 2015: 1741-1750.

[2] Arandjelović R, Zisserman A, Three things everyone should know to improve object retrieval, Computer Vision and Pattern Recognition (CVPR), 2012 IEEE Conference on, IEEE, 2012: 2911-2918.

[3] Lowe D G. Distinctive image features from scale-invariant keypoints, International journal of computer vision, 2004, 60(2): 91-110.

[4] Philbin J, Chum O, Isard M, et al. Lost in quantization: Improving particular object retrieval in large scale image databases, Computer Vision and Pattern Recognition, 2008. CVPR 2008, IEEE Conference on, IEEE, 2008: 1-8.

## 7.1 Reference

## 7.2 oeyoews

bibfile or with next miss, because this number is same [**?**]

## 7.3 dircetly

dircetly [1]

# 8 🎨 Style

f2 = 23, this is a dmeo for met

- **bold**
- *italic*
- underline
- emph

# 9 New page

This is a newpage example, the below is empty

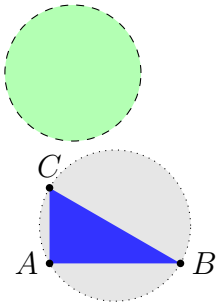
# 10 List

## 10.1 order list

1. orderlist

## 10.2 unlist

- one
- two


C
A
B

# 11 Images 📖


图 1: Fig01

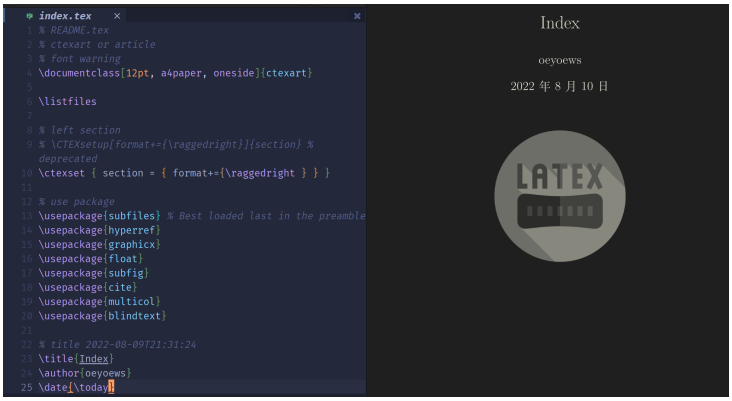



图 2: Fig02

# 12 Poetry

# 13 Table

表 1: Title of table

| | |
|---|---|
| a11 | a12 |
| a21 | a22 |

# 14 First Section

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

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

This is second column

# 15 Test include

Hello, Latex use docmute test include

# 16 Formula

$$\sqrt{x} + \sqrt{x^2} + \sqrt{y} = \sqrt[3]{k_i} - \frac{x}{m}$$

$$\lim_{x \to \infty} x_{22}^2 - \int_1^5 x \mathrm{d}x + \sum_{n=1}^{20} n^2 = \prod_{j=1}^{3} y_j + \lim_{x \to -2} \frac{x-2}{x}$$

## 16.1 inline formula

$f = m^2$

## 16.2 display block formula

$$E = mc^2.$$

## 16.3 Equation

$$f = ma \tag{1}$$

$$s = vt \tag{2}$$

$$A_{m,n} = \begin{pmatrix} a_{1,1} & a_{1,2} & \cdots & a_{1,n} \\ a_{2,1} & a_{2,2} & \cdots & a_{2,n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{m,1} & a_{m,2} & \cdots & a_{m,n} \end{pmatrix} \tag{3}$$

## 16.4 Matrix

$$\begin{bmatrix} 1 & 2 & \cdots \\ 67 & 95 & \cdots \\ \vdots & \vdots & \ddots \end{bmatrix}$$

## 16.5 math group

$$\begin{cases} f = ma \\ s = vt \end{cases} \tag{4}$$

# 17 CodeBlock

```
printf("Lua code block")
```

# 18 comment

# 19 include

Have import include includeonly, and subfile

## 19.1 Term

env, preamble, etc

## 19.2 document

gf to check source code , or check github one hundred tex files

# 20 TODO ✅

- img how to recursive search


THANK
YOU