

# ElegantPaper: An Elegant L<sup>A</sup>T<sub>E</sub>X Template for Working Papers

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ElegantL<sup>A</sup>T<sub>E</sub>X Program

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## Abstract

This documentation illustrates the usage of the **ElegantPaper** template. This template is based on the standard L<sup>A</sup>T<sub>E</sub>X article class, which is designed for working paper writing. With this template, you can get rid of all the worries about the format and merely focus on writing. For any question, please leave a message on [GitHub::ElegantPaper/issues](https://github.com/ElegantPaper/issues). Want to know more about ElegantL<sup>A</sup>T<sub>E</sub>X Templates? Please visit: <https://github.com/ElegantLaTeX>.

**Keywords:** ElegantL<sup>A</sup>T<sub>E</sub>X, Working Paper, Template

## 1 Introduction

This template is based on the standard L<sup>A</sup>T<sub>E</sub>X article class, hence the arguments of article class are acceptable (a4paper, 10pt and etc.). Alternative engines are pdfL<sup>A</sup>T<sub>E</sub>X and XeL<sup>A</sup>T<sub>E</sub>X.

```
\documentclass[a4paper,11pt]{elegantpaper}
```

**Note:** ElegantPaper is available on [Overleaf](#) and [gitee](#).

### 1.1 Global Options

Language mode option **lang** allows two alternative inputs, **lang=en** (default) for English or **lang=cn** for Chinese. **lang=cn** will make the caption of figure/table, abstract name, refname etc. Chinese. You can use this option as

```
\documentclass[lang=cn]{elegantpaper} % or  
\documentclass{cn}{elegantpaper}
```

**Note:** Under the English mode **lang=en**, Chinese characters are not allowed. To type in Chinese, please load **ctex** or **xeCJK** package at the preamble as:

```
\usepackage[UTF8,scheme=plain]{ctex}
```

## 1.2 Math Fonts

This template defines a new option (`math`), with three options:

1. `math=cm` (default), use L<sup>A</sup>T<sub>E</sub>X default math font (recommended).
2. `math=newtx`, use `newtxmath` math font (may bring about bugs).
3. `math=mtpro2`, use `mtpro2` package to set math font.

## 1.3 Custom Commands

Default L<sup>A</sup>T<sub>E</sub>X commands and environments are all the same in this template<sup>1</sup>. We created four new commands:

1. `\email`: create the hyperlink to email address.
2. `\figref`: same usage as `\ref`, but start with label text `<Figure n>`.
3. `\tabref`: same usage as `\ref`, but start with label text `<Table n>`.
4. `\keywords`: create the keywords in the abstract section.

## 1.4 Bibliography

This template used B<sub>I</sub>B<sub>T</sub>E<sub>X</sub> to generate the bibliography, the default bibliography style is `aer` under the option `lang=en`. Citation example: (Carlstrom and Fuerst, 1997; Li et al., 2018; Quadrini, 2011) used data from a major peer-to-peer lending marketplace in China to study whether female and male investors evaluate loan performance differently.

If you want to use B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>, you must create a file named `wpref.bib`, and add bib items (from Google Scholar, Mendeley, EndNote, and etc.) to `wpref.bib` file, and cite the bibkey in the `tex` file. Note that B<sub>I</sub>B<sub>T</sub>E<sub>X</sub> has to be added.

Three options for the references, `cite=numbers` (default), `cite=super` and `cite=authoryear`. Those who major in science and engineering use numbers and super more often, while those who major in arts use `authoryear` more frequently. To switch different options, use

```
\documentclass[cite=super]{elegantpaper} % super style ref style
\documentclass[super]{elegantpaper}

\documentclass[cite=authoryear]{elegantpaper} % author-year ref style
\documentclass[authoryear]{elegantpaper}
```

---

<sup>1</sup>To ensure the codes are replicatable. We recommend users pay more attention to the contents other than formats. This is the meaning of the existence of the template.

## 2 Recruit Support Members

Recruit support members for Elegant $\LaTeX$  to translate template official guide, maintain wiki entries(Markdown), update Wechat articles. No deadline for this recruitment.

So far, Elegant $\LaTeX$  has four support members:

- OG Translator: [YPY](#);
- Wiki Maintainer: [Ingo Zinnago](#), [Xiaohao890809](#);
- QQ Group Manager: [Sikouhju](#).

Thank them all!!!

## 3 Acknowledgement

The number of stars on GitHub for ElegantPaper reached 277 on April 12, 2020 at the release of ElegantPaper v0.09. Thank China $\TeX$  and  $\LaTeX$  studio for their promotion. If you like our templates, you can star it on GitHub.

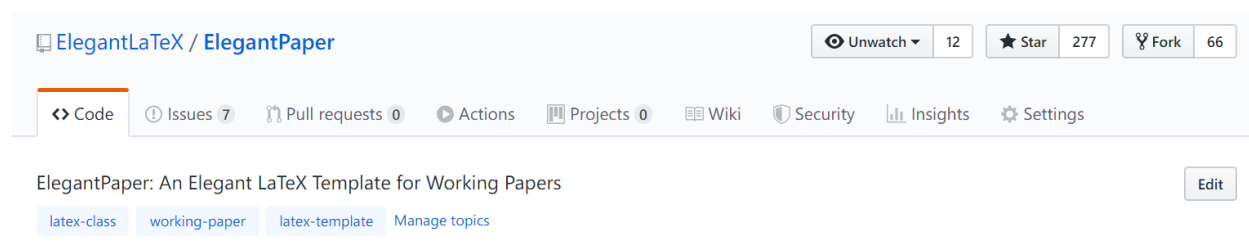


Figure 1: Twinkle, Twinkle, Little Star

## 4 Donation

To express your love for our templates and/or our developers, please do not hesitate to tip us.



**The explanation right of the tip usage belongs to Elegant $\LaTeX$  with no supervision. Feel free to tip us.** Those who donate more than 10 RMB will be recorded in the donation list. Thank all the tippers!

**Table 1:** Donation List

Tipper	Amount	Date	Channel	Tipper	Amount	Date	Channel
Lerh	10 RMB	2019/05/15	Wechat	yueguodipingxian	10 RMB	2019/05/15	Wechat
yinsang	20 RMB	2019/05/27	Wechat	*kong	10 RMB	2019/05/30	Wechat
latexstudio.net	666 RMB	2019/06/05	Alipay	A*n	40 RMB	2019/06/15	Wechat
* xia	22 RMB	2019/06/15	Wechat	* qian	21 RMB	2019/06/15	Wechat
Cassis	11 RMB	2019/06/30	Wechat	* jun	10 RMB	2019/07/23	Wechat
P*u	50 RMB	2019/07/30	Wechat	* meng	19 RMB	2019/08/28	Wechat
Qu Doudou	10 RMB	2019/08/28	Wechat	Li Bo	100 RMB	2019/10/06	Wechat
Njustsll	10 RMB	2019/10/11	Wechat	Liu Zhikuo	99.99 RMB	2019/10/15	Alipay
* tao	16 RMB	2019/10/17	Wechat	Chini	12 RMB	2019/10/17	Alipay
yuanfengjing	10 RMB	2019/10/28	Wechat	Guo Deliang	88 RMB	2019/11/03	Wechat
ziquangbuxi	20 RMB	2019/11/04	Alipay	dushuzhichong	20 RMB	2019/11/18	Wechat
* deng	10 RMB	2019/11/18	Wechat	* zhe	20 RMB	2019/11/18	Wechat
anonymous	10 RMB	2019/11/24	Wechat	Jiye Qian	66 RMB	2019/12/04	Wechat
* yang	20 RMB	2019/12/05	Wechat	Catcher	11 RMB	2019/12/08	Alipay
xierbotementu	10 RMB	2019/12/09	Alipay	* wei	10 RMB	2019/12/09	Wechat
Simon	20 RMB	2019/12/11	Alipay	liushangqianyi	66.60 RMB	2019/12/18	Alipay
yu	10 RMB	2019/12/20	Alipay	*chen	15 RMB	2019/12/20	Wechat
suifeng	20 RMB	2019/12/27	Alipay	Ws	23.30 RMB	2019/12/28	Wechat
chuba	100 RMB	2020/01/02	Alipay	p*e	20 RMB	2020/01/03	Wechat
Shunmx	100 RMB	2020/01/03	Wechat	hj	10 RMB	2020/01/03	Wechat
F*5	10 RMB	2020/01/03	Wechat	S*m	20.20 RMB	2020/01/03	Wechat
erdaiqingzhi	13 RMB	2020/01/14	Alipay	*?	66 RMB	2020/01/15	Wechat
Mr. Xiong	20 RMB	2020/01/17	Wechat	*bo	15 RMB	2020/01/18	Wechat
*Zhe	10 RMB	2020/02/02	Wechat	Jackie	88.80 RMB	2020/02/09	Wechat
Henry_Sun	50 RMB	2020/02/14	Alipay	* Qiao	50 RMB	2020/02/21	Wechat
YunLian	10 RMB	2020/03/02	Alipay	S*y	10 RMB	2020/03/15	Wechat
* Ge	66.66 RMB	2020/03/17	Wechat	K*e	30 RMB	2020/03/30	Wechat
* Yang	20 RMB	2020/04/02	Wechat	Shi*n	30 RMB	2020/04/11	Wechat

## 5 FAQ

1). *How to remove the information of version?*

Please comment `\version{x.xx}`.

2). *How to remove the information of date?*

Please type in `\date{}`.

3). *How to add several authors?*

Use `\and` in `\author` and use `\\` to start a new line.

```
\author{author 1\\ org. 1 \and author 2 \\ org. 2 }
```

4). *How to display bilingual abstracts?*

Please refer to [GitHub::ElegantPaper/issues/5](#)

## References

Carlstrom, C. T. and Fuerst, T. S. (1997). Agency Costs, Net Worth, and Business Fluctuations: A Computable General Equilibrium Analysis. *The American Economic Review*, pages 893–910.

Li, Q., Chen, L., and Zeng, Y. (2018). The Mechanism and Effectiveness of Credit Scoring of P2P Lending Platform: Evidence from Renrendai.com. *China Finance Review International*, 8(3):256–274.

Quadrini, V. (2011). Financial Frictions in Macroeconomic Fluctuations. *FRB Richmond Economic Quarterly*, 97(3):209–254.

## A Use newtx fonts

If you use `newtx` fonts, type in:

```
\documentclass[math=newtx]{elegantbook}
```

### A.1 Hyphens

Since the template uses `newtx`, please pay attention to the hyphens. For instance,

$$\int_{R^q} f(x, y) dy.off \tag{1}$$

The corresponding code is:

```
\begin{equation}
\int_{R^q} f(x, y) dy.\emph{of \kern0pt f}
\end{equation}
```

### A.2 Symbol Fonts

Feedback from ElegantBook users claims that error occurs when using our templates with `yhmath`, `esvect` and other packages.

```
LaTeX Error:
Too many symbol fonts declared.
```

The reason is that the template redefines font for math so that no new math font is allowed to be added. To use `yhmath` and/or `esvect`, please locate `yhmath` or `esvect` in `elegantpaper.cls`, uncomment corresponding related code.

```
%%% use yhmath pkg, uncomment following code
% \let\oldwidering\widering
% \let\widering\undefined
% \RequirePackage{yhmath}
% \let\widering\oldwidering

%%% use esvect pkg, uncomment following code
% \RequirePackage{esvect}
```