

texlive+texmaker 安装配置教程

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1 为什么选用 latex

为了方便。

L^AT_EX 不难学，个人认为，它的难点在于，习惯了图形界面点击操作的新生，对一些配置，和这种形式不习惯。L^AT_EX 经常拿来和 word 比较，其实前者入门难，但越用越方便，论文包括大学期间的很多竞赛都有现成的 L^AT_EX 模板，相比 word 花大量时间还不一定能做出好看的排版，L^AT_EX 在这一点上有着巨大的优势。详情可以去网上了解，或者多用用就知道了。

去年的系列讲座，我们装的是 CTEX，但是 CTEX 是很早期，在配置还很麻烦的时候封装的，里面很多东西已经过时（但听说最近要更新？），还经常出现各种 bug。现在 texlive 的安装已经非常简单了，何况 texlive 是跨平台的。

2 下载 texlive

进入官网：<http://tug.org/texlive/>，点击“How to acquire TeX Live”中的“on DVD”。（进入 download 也可以，但实测发现有的电脑在运行 download 中的 exe 文件时会报错，尚不知原因）

← → ↻ ⓘ tug.org/texlive/

TeX Live

TeX Live is an easy way to get up and running with the TeX document production system. It provides a comprehensive TeX system with binaries for most flavors of Unix, including GNU/Linux, and also Windows. It includes all the major TeX-related programs, macro packages, and fonts that are free software, including support for many languages around the world.

- **How to acquire TeX Live:** [download on DVD](#), [other methods](#).
- [Quick install for Unix](#); [installation and release notes for Windows](#); for MacOSX, see the [MacTeX distribution](#).
- [Documentation](#)
- [Contact and mailing lists](#).
- [Known issues](#) and [highlights of changes](#) in the current release (details for [LuaTeX](#), [pdfTeX](#), [XeTeX](#)).
- [Portable \(USB and DVD\) usage](#) of TeX Live.
- [Installing/updating packages after installation](#) and [full upgrade from previous years](#).
- [TeX Live licensing](#), and [integration with operating system distributions](#).
- [Development source repository](#), and [building the sources](#).
- [How you can help](#).
- Current release: TeX Live 2018 is [available over the Internet](#) and [on DVD](#). It was released on 28 April 2018, and [ongoing updates are available](#).

Some starting points for actually using TeX are in this [introduction to the TeX world](#).

TeX Live has been developed since 1996 by collaboration between the [TeX user groups](#). TeX Live was originally perpetrated by Sebastian Rahtz. Present miscreants include Akira Kakuto, Karl Berry, Luigi Scarso, Mojca Miklavc, Norbert Preining, Reinhard Kotucha, Siep Kroonenberg, and [a cast of thousands](#).

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TUG home page: [contact webmaster](#): Search [tug.org](#) (via [DuckDuckGo](#))

接下来按照图示路径，进入最下面的“downloading the TeX Live ISO image and burning your own DVD”，再选择第一个“download from a nearby CTAN mirror”，从近的镜像站中下载（当然也可以进镜像站列表挑别的镜像站，比如清华的，163 的）。然后选择一个名为“texlive2018.iso”的文件下载（以后可能是 2019，8102 这样子）。

← → ↻ tug.org/texlive/acquire-dvd.html

TeX Live on DVD

To obtain TeX Live on DVD, the best way is to [become a member of TUG](#) or [another TeX user group](#). Please join whichever group is best for you. We need your support.

The [TeX Collection](#) DVD, which includes TeX Live, is distributed as a [benefit of membership](#) to TUG members each year. By joining TUG, you'll also receive a year of [TUGboat](#), among other things.

Alternatively, you can purchase the TeX Collection DVD or any of the other items from the [TUG store](#), without becoming a member.

After mounting the DVD on your computer, follow the [installation instructions](#) or [read the documentation](#). Binaries for some less-common platforms are [omitted from the DVD](#) to save space (but are available normally in a [network install](#)).

If you want to update packages from CTAN after installation (this is not required, or even necessarily recommended), see these [examples of using tlmgr](#).

Sources: the DVD includes the complete sources in the `texlive/source` directory, corresponding to [Master/source in the repository](#).

Information about [downloading the TeX Live ISO image and burning your own DVD](#) is available separately, as well as [other ways to acquire TeX Live](#).

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← → ↻ tug.org/texlive/acquire-iso.html

Acquiring TeX Live as an ISO image

For normal use we recommend [installing TeX Live over the Internet](#) or [from DVD](#), but if you want to burn your own DVD, you can get our huge ISO image. It is over 2GB ([md5](#), [sha512](#) checksums; [sha512](#) signature). You can:

- [download from a nearby CTAN mirror](#); or
- manually choose from the [mirror list](#); or
- retrieve it via the [torrent network](#).

If you want to mount the image to make the contents available for installation or browsing, a typical invocation on Unix is:

```
mount -t iso9660 -o ro,loop,noauto /your/texlive.iso /mnt
```

On Windows, you'll need third-party tools such as [WinCDEmu](#), [daemon-tools](#), and/or [Magic ISO](#).

After mounting the image, to install TeX Live, follow the [installation instructions](#) or [read the documentation](#), which has a [section on ISO installation](#).

The ISO image is not updated after release, so that it can serve as a stable marker in TeX development and to correspond to the [DVD sent to TeX user group members](#).

Sources: the ISO includes the complete sources in the `source/` subdirectory, corresponding to [Master/source in the repository](#).

Acquiring the ISO using the torrent network

The ISO image is also available as [a torrent](#). Start it with your favorite torrent client.

Please, after downloading the full torrent, keep the torrent client running for some time to seed the files so that the files get better distributed.

Information about [other ways to acquire TeX Live](#) is available separately.

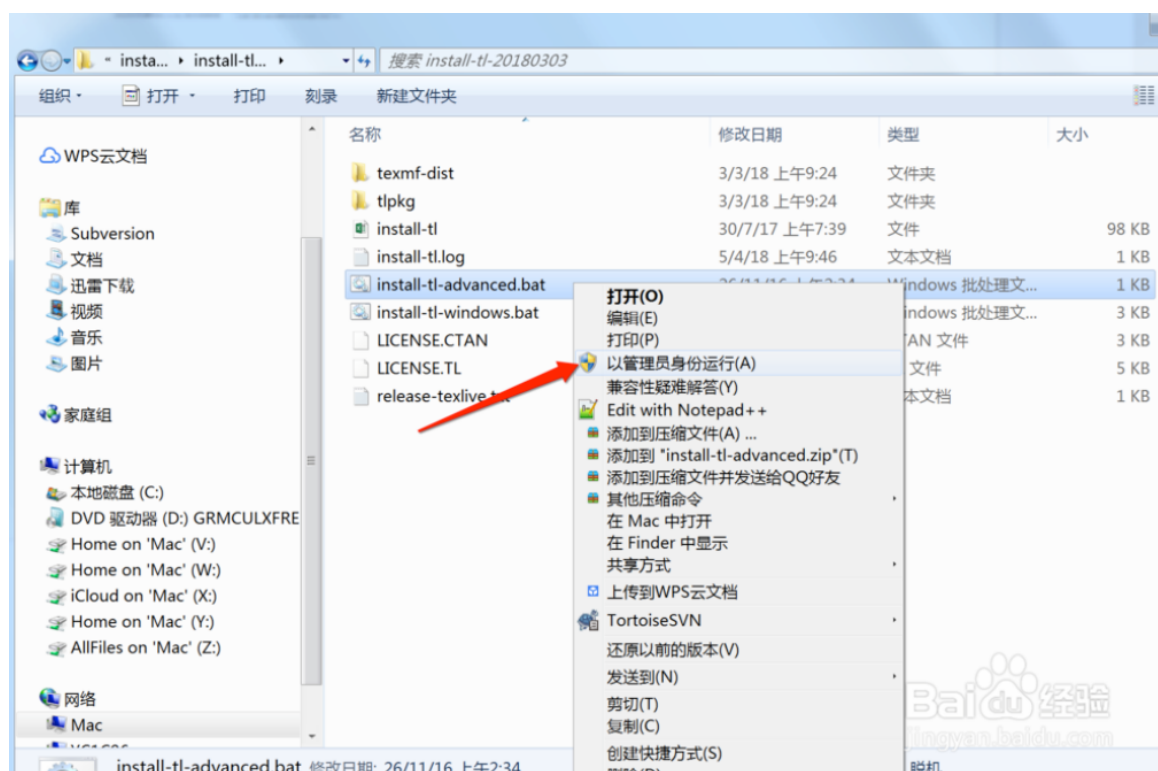
\$Date: 2018/04/30 13:23:44 \$; [TeX Live](#);

[TUG home page](#); [contact webmaster](#); Search tug.org (via [DuckDuckGo](#))

mirrors.ustc.edu.cn/CTAN/systems/texlive/Images/			
Index of /CTAN/systems/texlive/Images/			
../			
README.md	27-Apr-2018 22:19	1222	
texlive.iso	14-Apr-2018 02:15	3455096832	
texlive2018-20180414.iso	14-Apr-2018 02:15	3455096832	
texlive2018-20180414.iso.md5	14-Apr-2018 02:16	59	
texlive2018-20180414.iso.sha512	14-Apr-2018 02:16	155	
texlive2018-20180414.iso.sha512.asc	14-Apr-2018 02:16	455	
texlive2018.iso	14-Apr-2018 02:15	3455096832	
texlive2018.iso.md5	14-Apr-2018 02:16	50	
texlive2018.iso.sha512	14-Apr-2018 02:16	146	
texlive2018.iso.sha512.asc	14-Apr-2018 02:16	455	

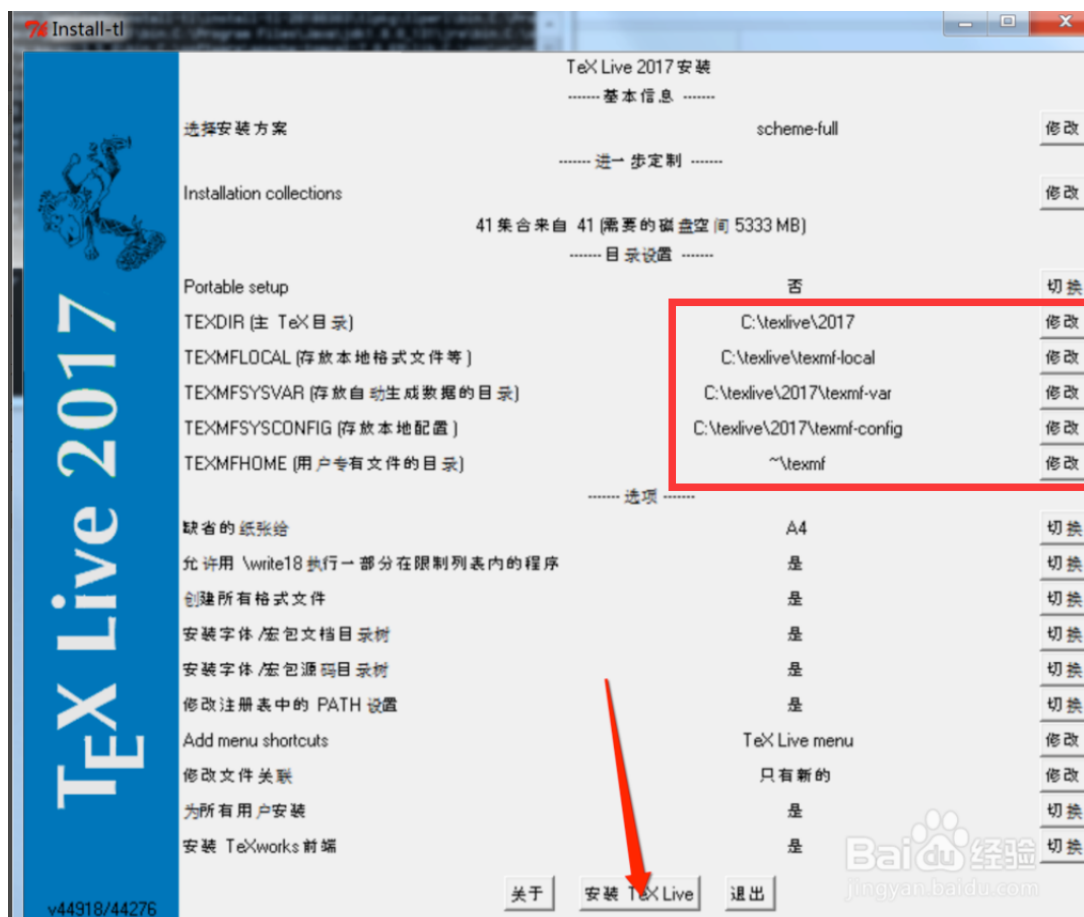
3 安装 texlive

双击打开下载的 iso 文件，win10 会自动建立一个虚拟光盘，进入如下图所示的界面。这里我从网上盗来了一张图，实际上文件列表也差不多，请注意一定要右击文件，以管理员身份运行！



之后等待一会就会进入安装界面，值得注意的只有下面这个界面，因为在这里选择安装路径，在一台电脑上的测试表明，装在 C 盘或 D 盘的区别不是很大，大家自由选择。

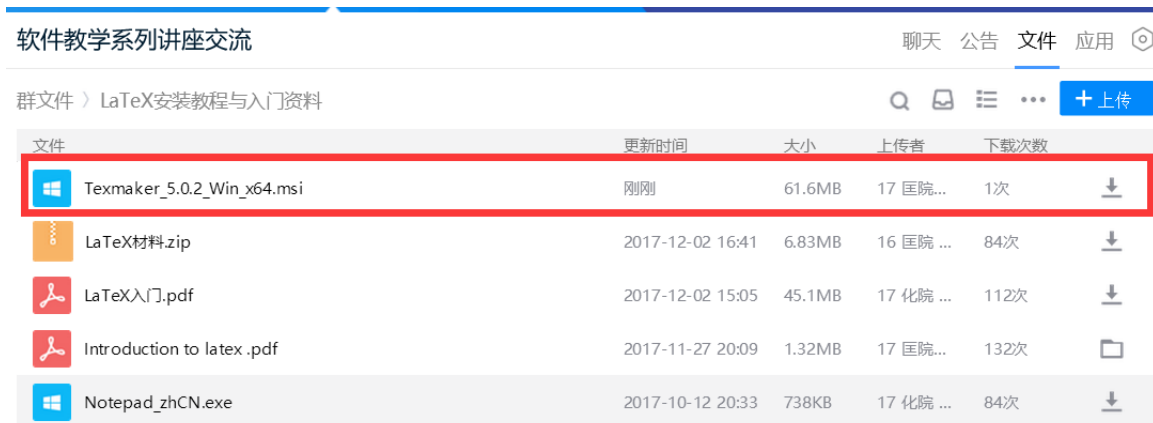
请一定记住你把 texlive 装在了哪里，这涉及到后面的配置!!!



4 安装 texmaker

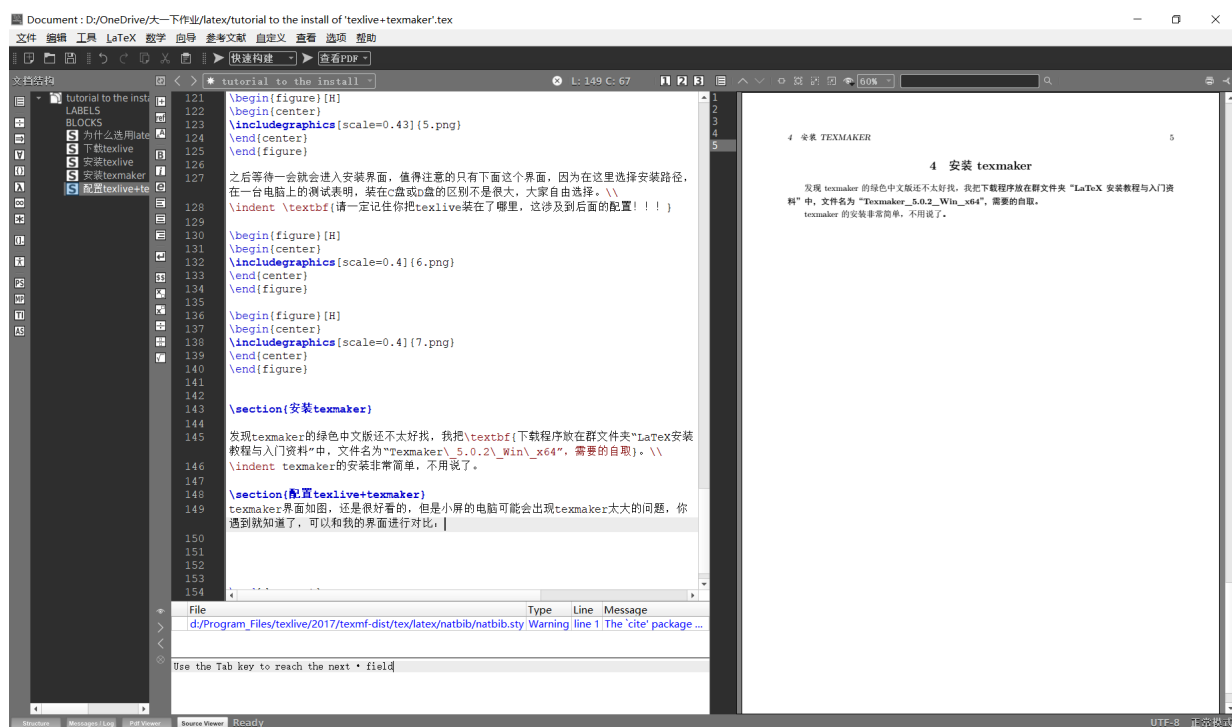
发现 texmaker 的绿色中文版还不太好找，我把下载程序放在群文件夹“LaTeX 安装教程与入门资料”中，文件名为“Texmaker_5.0.2_Win_x64”，需要的自取。

texmaker 的安装非常简单，不用说了。



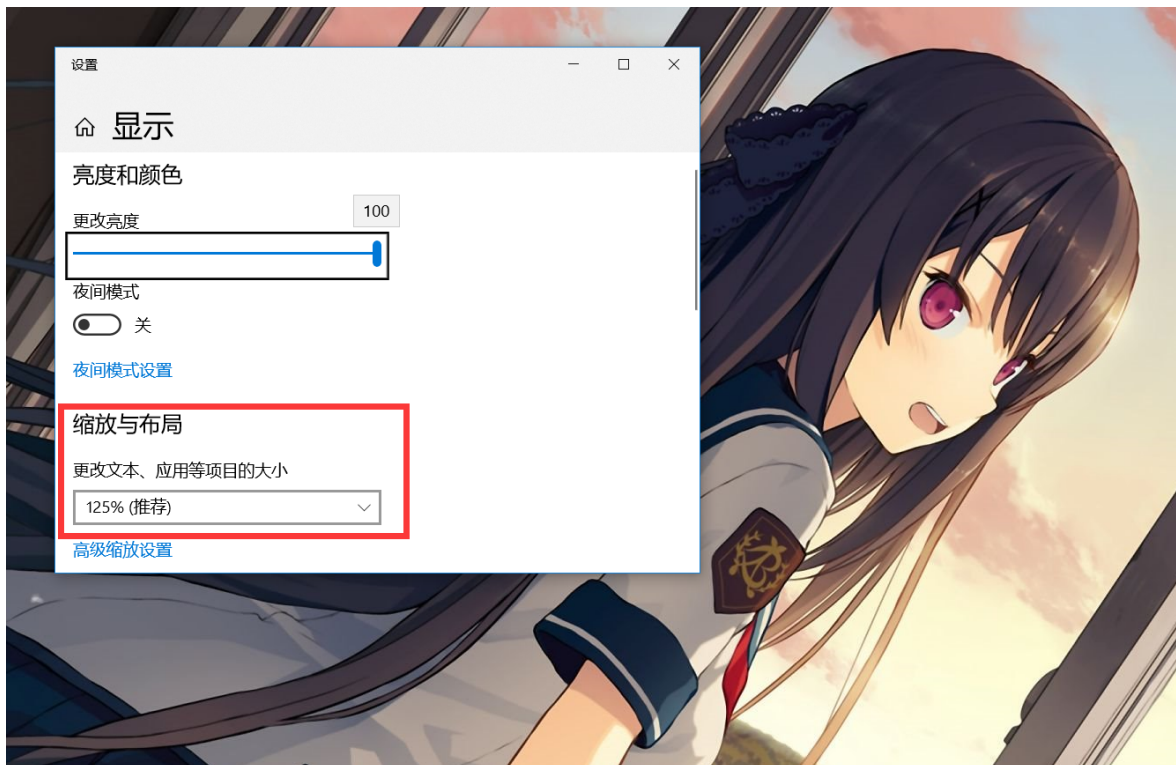
5 配置 texlive+texmaker

texmaker 界面如图，还是很好看的，但是小屏的电脑可能会出现 texmaker 太大的问题，你遇到就知道了，可以和我的界面进行对比：

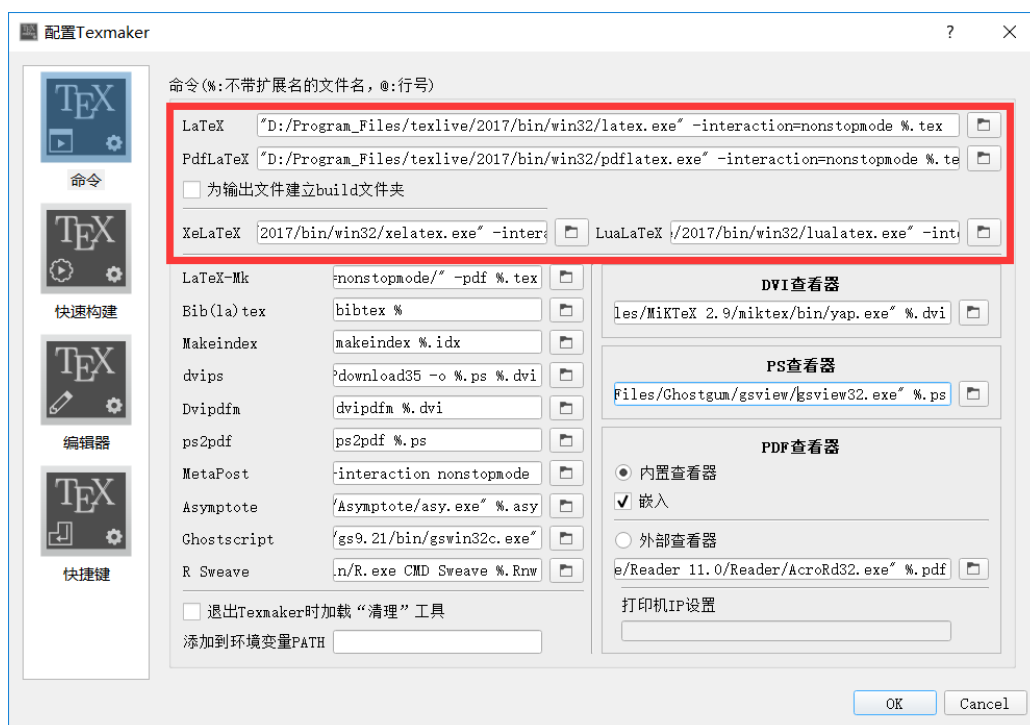


这是个非常糟糕的问题，因为在后面的配置中，你会发现，你点不中“配置 Texmaker”中的“ok”键，无法保存配置，不止影响到界面，还影响到正常使用，有两种解决方法：

- 放弃使用 texmaker, 可以尝试键盘上的 windows+R(windows 就是键盘左下角那个微软的 logo), 然后在运行框中输入 texworks, 使用 texlive 自带的编辑器 texworks, 或者从网上找其他的编辑器。
- 右击电脑桌面 ⇒ “显示设置” ⇒ “缩放与布局” ⇒ “更改文本、应用等项目的大小” ⇒ “125%”

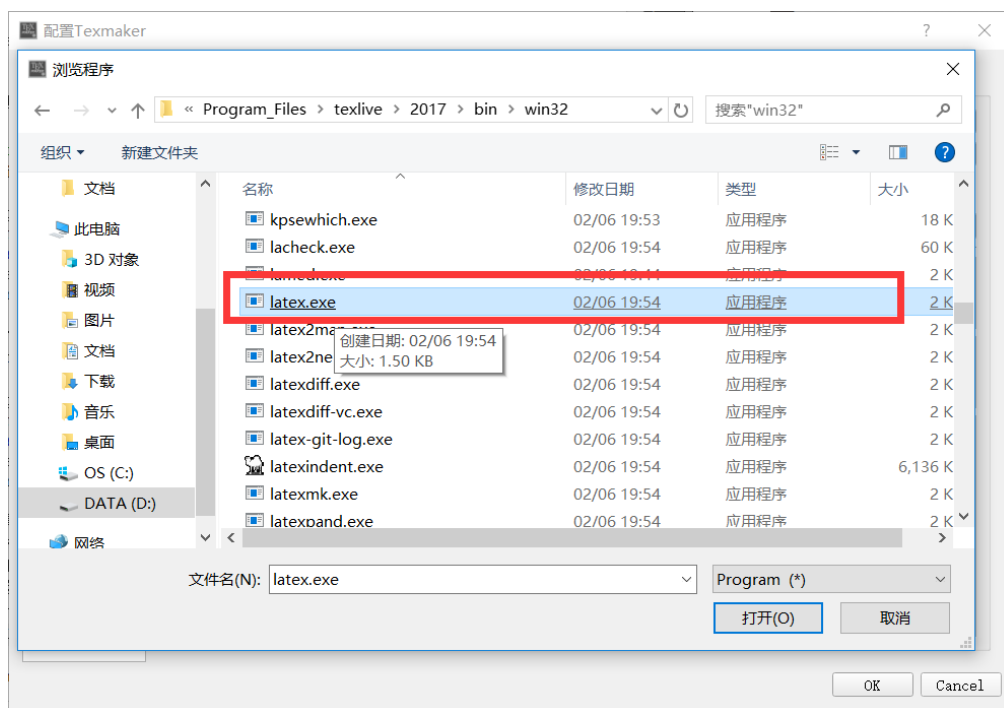


当然大部分人可以直接开始配置了, 点击 **texmaker** 顶部菜单栏的“选项”中的“配置 Texmaker”, 进入如下界面:

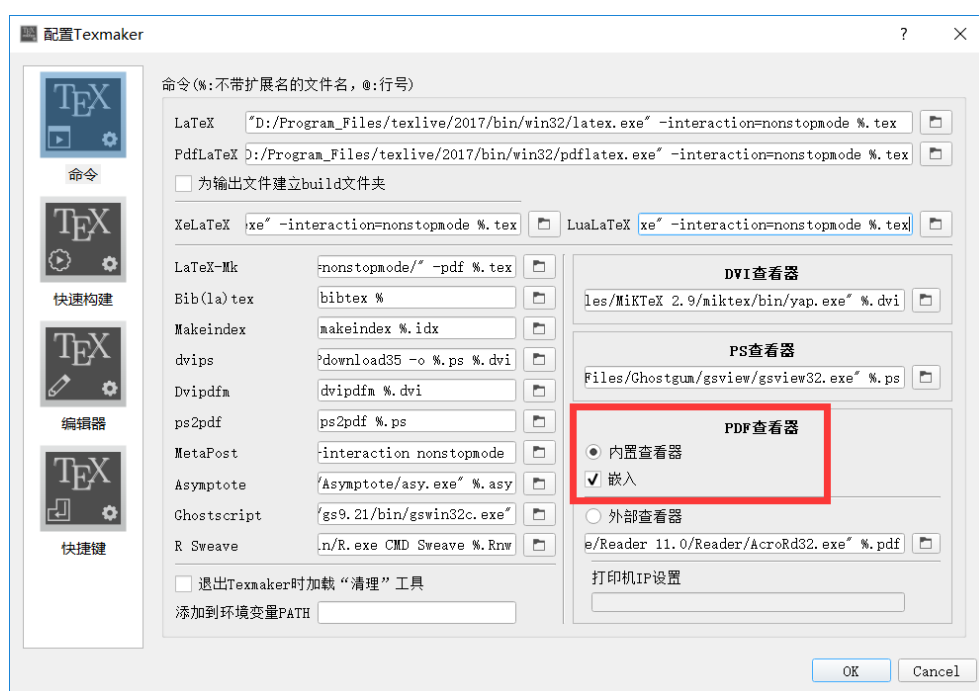


在绝大多数情况下，我们安装 texlive 的路径，不在系统的环境变量中，所以我们要手动配置，从我大学以来的使用来看，配置好我在上图中圈出来的四个就足够了。

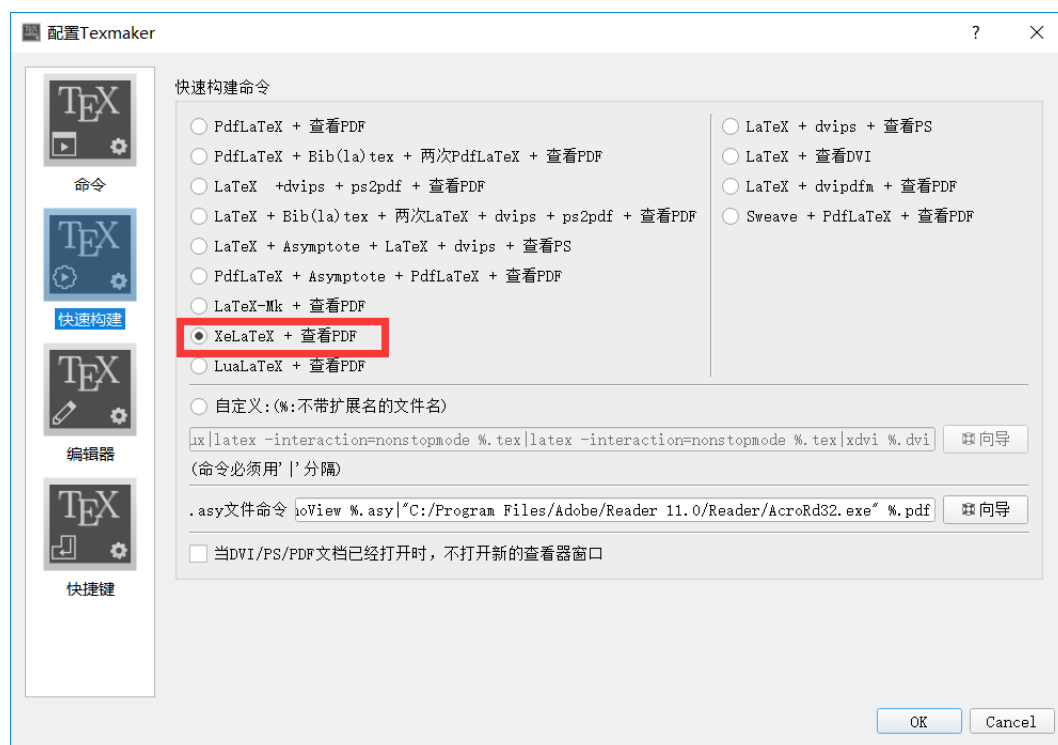
如何配置？以 LaTeX 为例，点选它后面的文件夹图标浏览文件夹，找到你的 texlive，选择路径“/texlive/2017/bin/win32/latex.exe”，点确认就可以了，其他三个同理，一定注意文件名一定要完全对应（实际操作中，有人把 xetex.exe 文件配置到 XeLaTeX 上面了，半天找不出），可以参考我截图中的路径。



其他需要注意的两个地方，一是右下角的 PDF 查看器，建议选择“内置查看器”，并点选“嵌入”，这样就能方便地预览你排好的 tex 文件的效果。



还有建议进入”快速构建”中，把快速构建命令改为“XeLaTeX+ 查看 PDF”，根据我的实际使用情况来看，用 XeLaTeX 的情况更多。当然可根据报错情况在配置中，或者菜单栏下边的构建菜单中更改。



结束，enjoy it!