

Emacs Configuration

deepwaterooo

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1 Updates

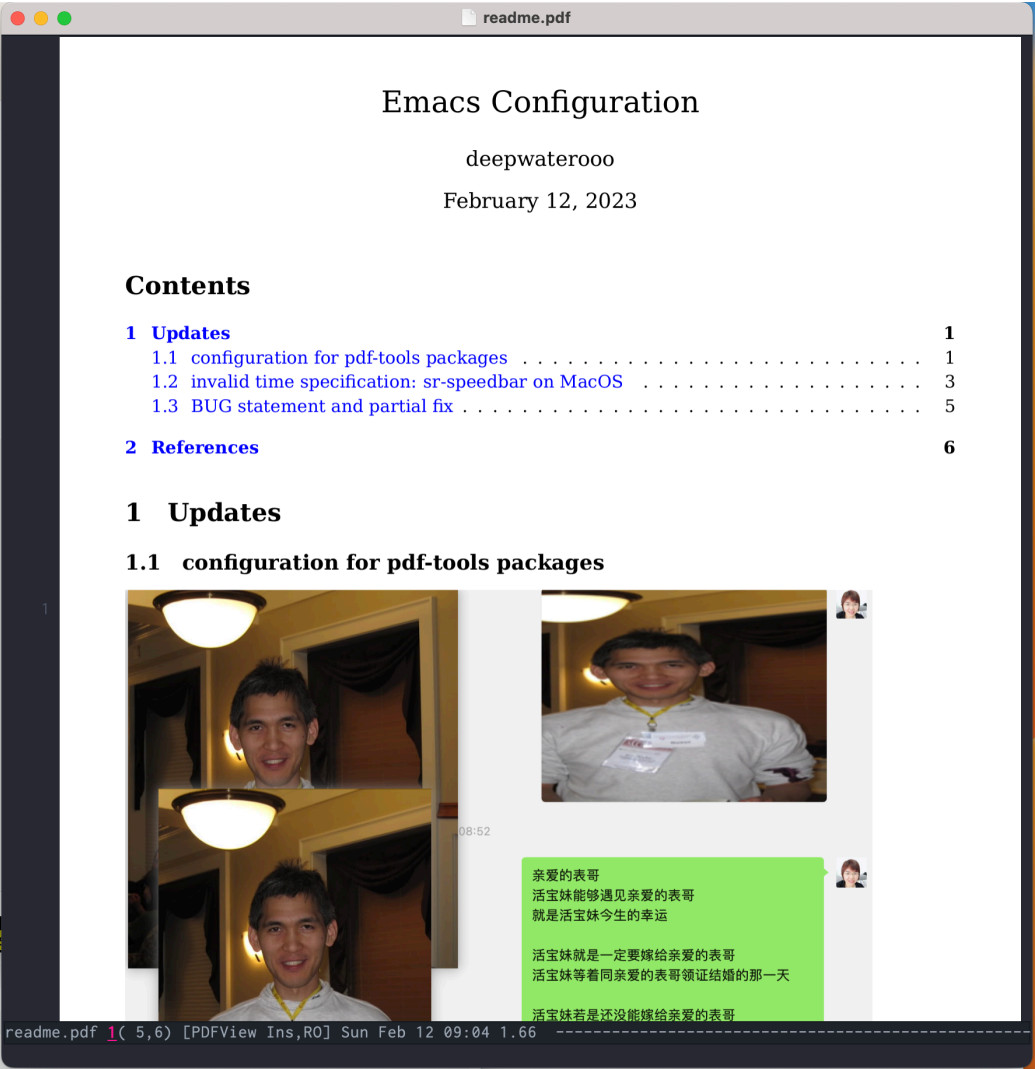
1.1 emacs-rime rime 在 emacs 里的前端，想要把它配置好：不能自动上屏的五笔输入法显然是太笨了

- emacs 27.1 for emacs-rime input methods. one bug to be fixed.

```
~/emacs.d on master *1 !4 77 2023-02-14 13:41:18.081 Emacs[18219:212750] It's not legal to call -layoutSubtreeIfNeeded on a view which is already being laid out. If you are implementing the view's -layout method, you can call -[super layout] instead. Break on void _NSDetectedLayoutRecursion(void) to debug. This will be logged only once. This may break in the future.
```

- this affect me access to current terminal, needs to be fixed later.

1.2 configuration for pdf-tools packages



- pdf viewer noter <==> Skim bi-directional linking configuration on the way, most emacs work is done. Need to learn how to use them though.

```

Help
hhj@Heyans-MacBook-Pro:~/emacs.d/elpa/pdfBK-tools
~/emacs.d/elpa/pdfBK-tools/server/autobuild -i ~/emacs.d/elpa/pdfBK-tools/

Installing packages
Skipping package installation (already installed)

Configuring and compiling
./configure -q && make clean && make -s

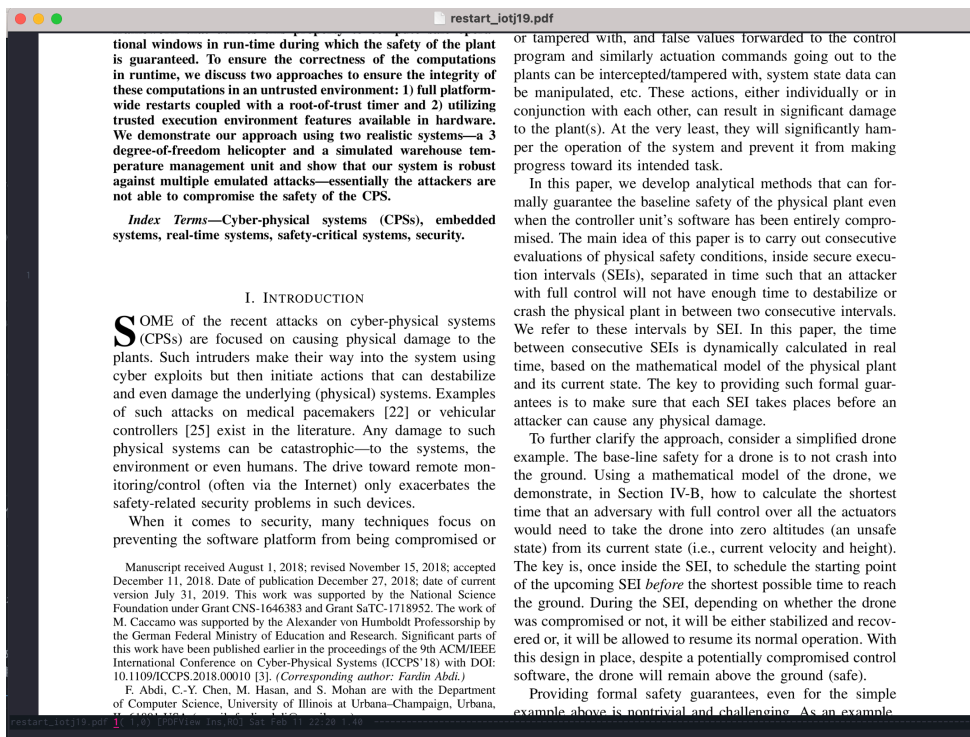
Is case-sensitive searching enabled ? yes
Is modifying text annotations enabled ? yes
Is modifying markup annotations enabled ? yes

test -z "epdfinfo" || rm -f epdfinfo
test -z "libsyntax.a" || rm -f libsyntax.a
rm -f *.o
epdfinfo.c:354:19: warning: 'tempnam' is deprecated: This function is provided for compatibility reasons only. Due to security concerns inherent in the design of tempnam(3), it is highly recommended that you use mkstemp(3) instead. [-Wdeprecated-declarations]
    filename = tempnam(NULL, "epdfinfo");
               ^
/Applications/Xcode.app/Contents/Developer/Platforms/MacOSX.platform/Developer/SDKs/MacOSX.sdk/usr/include/stdio.h:312:1: note: 'tempnam' has been explicitly marked deprecated here
__deprecated_msg("This function is provided for compatibility reasons only. Due to security concerns inherent in the design of tempnam(3), it is highly recommended that you use mkstemp(3) instead.")
^
/Applications/Xcode.app/Contents/Developer/Platforms/MacOSX.platform/Developer/SDKs/MacOSX.sdk/usr/include/sys/cdefs.h:215:48: note: expanded from macro '__deprecated_msg'
#define __deprecated_msg(msg) __attribute__((__deprecated__(_msg)))
                                                ^
epdfinfo.c:1548:5: warning: 'poppler_page_get_selection_region' is deprecated: Use poppler_page_get_selected_region instead [-Wdeprecated-declarations]
    poppler_page_get_selection_region (page, 1.0, selection_style, region);
    ^
/usr/local/Cellar/poppler/23.02.0/include/poppler/glib/poppler-page.h:75:134: note: 'poppler_page_get_selection_region' has been explicitly marked deprecated here
GList *poppler_page_get_selection_region(PopplerPage *page, gdouble scale, PopplerSelectionStyle style, PopplerRectangle *selection) G_GNUC_DEPRECATED_FOR(poppler_page_get_selected_region);
                                                                    ^
/usr/local/Cellar/glib/2.74.5/include/glib-2.0/glib/gmacros.h:694:18: note: expanded from macro 'G_GNUC_DEPRECATED_FOR'
__attribute__((deprecated("Use " #f " instead"))) \
               ^
2 warnings generated.

=====
Build succeeded. :0)
=====

```

- It has to be configured for M1. But I am still not getting any .tar file yet.



- could customer F5 toggle sr-speedbar, and make sis-mode work. But I do NOT really need

- Installed my emacs of version 28.1. But there is a bug of any verison emacs > 27.1, and I am NOT able to find a installable emacs 27.1 version any more.
- 不同电脑架构上可能因为架构的不同, 可以可能可以有某些优化. 又照一个单做了一遍, 似乎没有出错. <https://goykhman.ca/gene/blog/2022/2022-04-10-emacs-28.1-on-m1.html>
- 但是我没有没能加入那个补丁包. 暂时没能想好怎么加入那个补丁包. (**todo:** 改天可以尝试再把这个补丁包加进去)
- 因为构建是在原有现有的 mac 28.1.1 版本上构建的. 所以改动什么, 或是不曾改变, 又或者改不了不影响明显功能都是无从知晓的, 但是它最后的两个步骤的验证都是成功的, 应该还是构建成功了吧?

```

/usr/bin/install -c -m 644 etc/${docfile} "/usr/local/share/emacs/28.1/etc/${docfile}"; \
for installuser in $(LOGNAME) ${USERNAME} ${USER} `id -u` 2> /dev/null; do [ -n "${installuser}" ] && break ; done; installgrou
p=`id -g` 2>/dev/null && [ -n "$installgroup" ] && installuser=$installuser:$installgroup; \
chown ${installuser} "/usr/local/share/emacs/28.1/etc/${docfile}" || true ; \
else true; fi
Copying etc/DOC to /usr/local/share/emacs/28.1/etc ...
umask 022; ./build-aux/install-sh -c -d "/usr/local/bin"
/Applications/Xcode.app/Contents/Developer/usr/bin/make -C lib-src install

Installing utilities run internally by Emacs.
umask 022 && ./build-aux/install-sh -c -d "/usr/local/libexec/emacs/28.1/aarch64-apple-darwin22.3.0"
exp_archlibdir=`cd "/usr/local/libexec/emacs/28.1/aarch64-apple-darwin22.3.0" && /bin/pwd` && \
if [ "$exp_archlibdir" != "/bin/pwd" ]; then \
for file in hexl movemail; do \
/usr/bin/install -c $file \
"/usr/local/libexec/emacs/28.1/aarch64-apple-darwin22.3.0/$file" || exit; \
done ; \
fi
exp_archlibdir=`cd "/usr/local/libexec/emacs/28.1/aarch64-apple-darwin22.3.0" && /bin/pwd` && \
if [ "$exp_archlibdir" != "/bin/pwd" ]; then \
for file in rcs2log; do \
/usr/bin/install -c $file \
"/usr/local/libexec/emacs/28.1/aarch64-apple-darwin22.3.0/$file" || exit; \
done ; \
fi

Installing utilities for users to run.
umask 022 && ./build-aux/install-sh -c -d "/usr/local/bin"
for file in etags ctags emacsclient ebrowse ; do \
/usr/bin/install -c $file \
"/usr/local/bin/" \
echo $(file) | sed -e 's/$/' -e 's,x,x,' \
|| exit; \
done
if test "/Users/hhj/selfSoft/emacs-mac/mac" != "`cd mac && /bin/pwd`"; then \
umask 022; ./build-aux/install-sh -c -d /Users/hhj/selfSoft/emacs-mac/mac/Emacs.app; \
(cd mac/Emacs.app; (tar -chf - . | \
(cd /Users/hhj/selfSoft/emacs-mac/mac/Emacs.app; umask 022; tar -xvf - \
&& cat > /dev/null))) || exit 1; \
fi
/usr/bin/install -c src/emacs "/usr/local/bin/" && echo emacs-28.1 | sed 's,x,x,'
/usr/bin/install -c -m 644 src/emacs.pdmp "/usr/local/libexec/emacs/28.1/aarch64-apple-darwin22.3.0"/emacs.pdmp
chmod 755 "/usr/local/bin/" && echo emacs-28.1 | sed 's,x,x,'
rm -f "/usr/local/bin/" && echo emacs | sed 's,x,x,'
cd "/usr/local/bin/" && ln -s "`echo emacs-28.1 | sed 's,x,x,'`" "`echo emacs | sed 's,x,x,'`"
/Applications/Xcode.app/Contents/Developer/usr/bin/make -C lib-src maybe-blessmail
make[1]: Nothing to be done for `maybe-blessmail'.

GNU Emacs 28.1
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```

- 今天又尝试安装 Xcode 之后再构建一遍, 但是没有成功. 可能本身参考有些年代, 另外自己还完全不通这个部分, 所以暂时放一放. 改天有机会可以再回来研究一下, 错在哪里, 我如何才可能构建出自己的版本.

```

macronit.m:3482:15: warning: 'CTGetCoreTextVersion' is deprecated: first deprecated in macOS 11.0 - Use -[NSProcessInfo operatingSystemVersion] [-Wdeprecated-declarations]
    if (CTGetCoreTextVersion() >= kCTVersionNumber10_9)
        ^
/Library/Developer/CommandLineTools/SDKs/MacOSX.sdk/System/Library/Frameworks/CoreText.framework/Headers/CoreText.h:61:10: note
: 'CTGetCoreTextVersion' has been explicitly marked deprecated here
uint32_t CTGetCoreTextVersion( void ) CT_DEPRECATED("Use -[NSProcessInfo operatingSystemVersion]", macos(10.5, 11.0), ios(3.2,
14.0), watchos(2.0, 7.0), tvos(9.0, 14.0));
    ^
1 warning generated.
    CC      terminfo.o
    CC      lastfile.o
/Library/Developer/CommandLineTools/usr/bin/make -C ../admin/charsets all
make[2]: Nothing to be done for 'all'.
/Library/Developer/CommandLineTools/usr/bin/make -C ../admin/unidata charsript.el
make[2]: Nothing to be done for 'charsript.el'.
    CLD     temacs
../build-aux/install-sh -c -d ../etc
/Library/Developer/CommandLineTools/usr/bin/make -C ../lisp update-subdirs
cp -f temacs bootstrap-emacs
rm -f bootstrap-emacs.pdmp
./temacs --batch -l loadup --temacs=pbootstrap
make[1]: *** [bootstrap-emacs.pdmp] Killed: 9
make: *** [src] Error 2

```

- 上面又成为一个需要改的东西：就是系统下如何从剪贴板自动生成写入文件 org-mode M-s
- 然后看见这里说可以自己构建一个，连 Xcode 也没有安装，就跑去构建了，当然不成功。这段时间太忙，XCode 要的空间太大了，暂时还不想。等改天有机会的时候倒是可以一试的
 - <https://stuff-things.net/2020/12/28/building-emacs-27-dot-1-on-macos-big-sur/>
- added key-bindings for opening from VSCode/Android Studio of current emacs buffer.
 - VSC Emacs can locate to each othr to correct row and col.
 - Android Studio could open current emacs buffer. but not to the row nor col.
- I liked recently configued Visual studio 2019 one-dark-pro theme, want to configue it for emacs, but ended up with any permission denied, renaming emacs initiating bug. reverted back for daily use, and may look into that bug for later reference.
- will reconfigure one-dark-pro theme later.
- fixed legency java-mode highlighting issue which I did not fix for years. Has been able to treat java-mode as java-mode Instead of using it as csharp-mode. Can not separate java-mode snippets from csharp-mode's.

1.4 BUG statement and partial fix

- in java-mode, the code style I expected is as followed:

```

class node {
    int v ;
    public node() {
        if (a > 0) // I don't want { } blocks when I have only one line statement inside blocks
        // a = 17;    // before fix:
            a = 17;    // now it can auto-indent
        b = 20;
        while (true) // same auto indents here
            j++;
    }
}

```

```

    }
}
class dklfjdj {} // <==== current un-auto-expanded version, bug right now for java-mode
class dklfjdj {
    | // <==== expected feature: once I typed '{', '}' will be autopaired(it does), but also auto-expand and cursor moves
}

```

- if while if while one line statement autoindent without {} fixed today for java-mode, but for kotlin-mode, this bug consists, make coders/programmers nuts.

```

fun getStringLength(obj: Any): Int? {
    if (obj is String)
        return obj.length // <<<<==== BUG: need to fix auto-indent here for if else while etc without {}

    if (obj is String) {
        return obj.length
    }
    // 在离开类型检测分支后, `obj` 仍然是 `Any` 类型
    return null
}
fun dslfkj { // kotlin-mode, unlike java-mode, this feature works charming
    val a = 1720
}

```

- The {} can NOT auto-expand still bugs me a lot, I don't want to switch back to java-mode yet unless bug fixed and it auto-pands.
- java minor bug: Debugger entered-Lisp error: (void-function company-clear-completion-rules): this bug I will look into it recently, and expect it to be fixed so I could switch java-mode from csharp-mode as soon as possible.
- **csharp-mode** has been the one that works perfectly for these two features, {} auto expand, also if while one line statement autoindent without {}, so I used csharp-mode as java mode.

2 References

- <https://github.com/redguardtoo/emacs.d>