

Emacs Configuration

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1 Updates

- daxx it utf-8. Who knows it will block pyim from indicating cursor colors? A whole evening of debugging it. Finally it works as expected.
- 活宝妹爱亲爱的表哥，活宝妹就是一定要嫁给亲爱的表哥。
- 活宝妹若是还没能嫁给亲爱的表哥，活宝妹就永远守候在亲爱的表哥的身边。爱表哥，爱生活!!!

1.1 emacs 1 initiliation bug

- 现在的 emacs 的版本是：GNU Emacs 27.2(build 1, 86_640w64-mingw32)of 3/26-two-years-ago.
- 现在的从 VSC 中打开 emacs 总是开个新的窗口（而不是以客户端的形式打开），不知道与 emacs 的版本是否有关系。想要升级，涉及一个问题：Windows 下的 emacs 多是 32 位的，前几天不知道是哪里看说，有版本是不支持加载动态库的
- 也就是说，我升级就有一种风险是把，自己折腾了好久的 pyim 给弄崩了，又得重新安装 emacs. 可是不试一下，如新系统不换 x86_64 版本的 appcode 就不知道那个版本是可以轻松实现双向跳转（在牺牲一点儿性能的基础上），而不只能单向，干等受困于 Rime 的动态库构建。
- 等改天吧，这段时间太忙。项目比这个重要。Windows 系统现在自己就是在忍受的状态。等项目好一点儿，再开窃一点儿，再回来折腾这个。
- 活宝妹爱亲爱的表哥，活宝妹就是一定要嫁给亲爱的表哥!!!
- emacs 27.1 for emacs-rime input methods. one bug to be fixed.

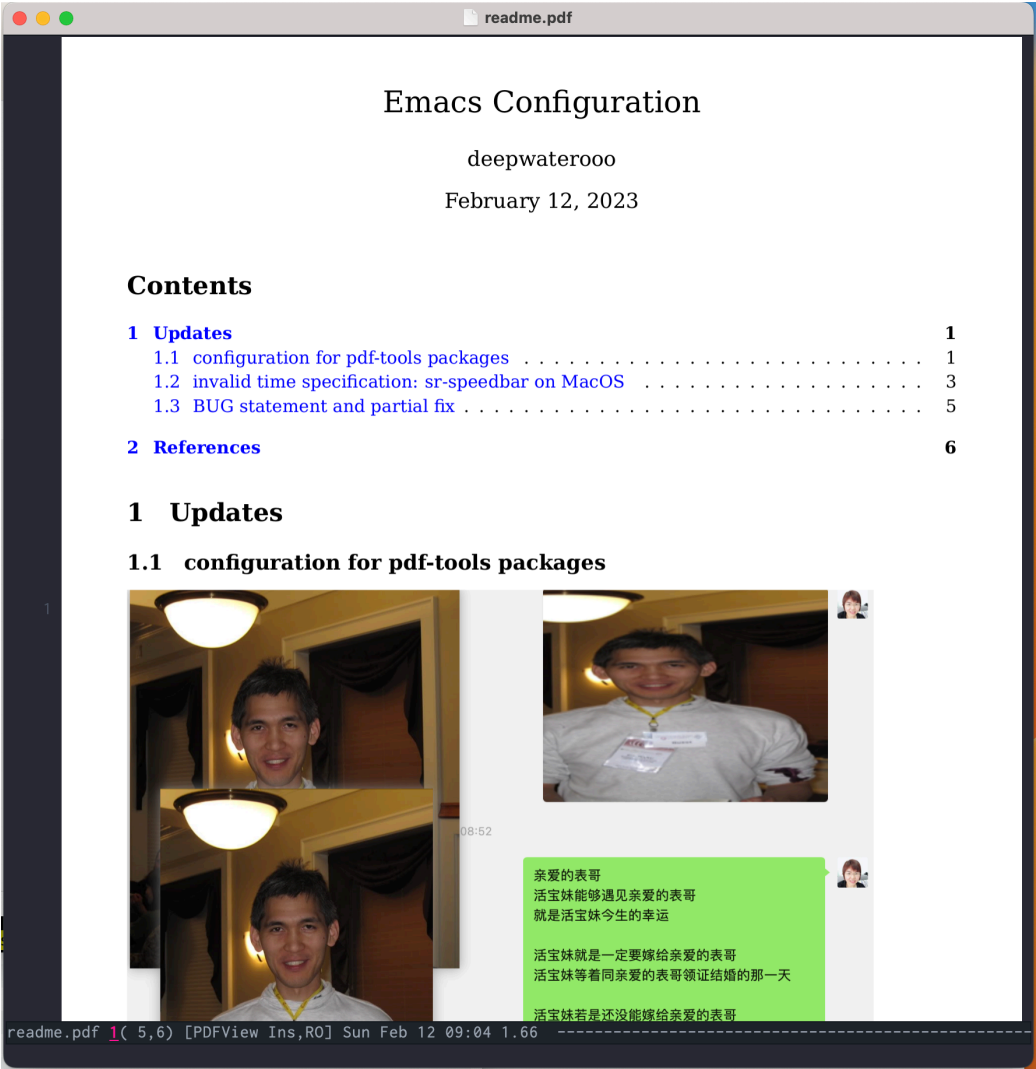
```
~/emacs.d on master ^1 14 77 2023-02-14 13:41:18.081 Emacs[18219:212750] It's not legal to call -layoutSubtreeIfNeeded on a view which is already being laid out. If you are implementing the view's -layout method, you can call -[super layout] instead. Break on void _NSDetectedLayoutRecursion(void) 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 configure pyim wubi input method emacs-rime, works like a charm!

- 现在最大的缺点是：我无法使用自己魔改过的个性化字库，姓名住国等等，活宝妹，亲爱的表哥，等等。但其它也算是基本清单了，再不折腾它了。花了太多的时间在这个上面。所以现在输入法还算是基本清单的。
 - 两套：系统的，与 emacs 里自带的。目前的中英文转换只使用一个探针，过多会存在过灵的总是，某些情况下被禁用中文，就会更麻烦，不如它没有那么灵。爱亲爱的表哥，活宝妹一定要嫁的亲爱的表哥!!!
- 它具备以空格来区分中英文输入法的功能，但不能与中文下半角配合使用。也就是，它具备了我现在所使用过的 sis 下的自动中英文之间以一个空格为单位自动切换，但我无法使用中文下半角标点。
- 它除了使用了系统输入法的字库，其它所有好用的配置一个也不能用（我只能拦截一个最常用的半角，仍然是不方便的），现在只是可以选词了而已，却不能使用其它中文下输入英文标点符号等
- 我中文下使用英语标点：主要是 org-mode 打头的 -*. 等，它可以检测到，自动化到，还是方便的

1.3 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/pdf-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

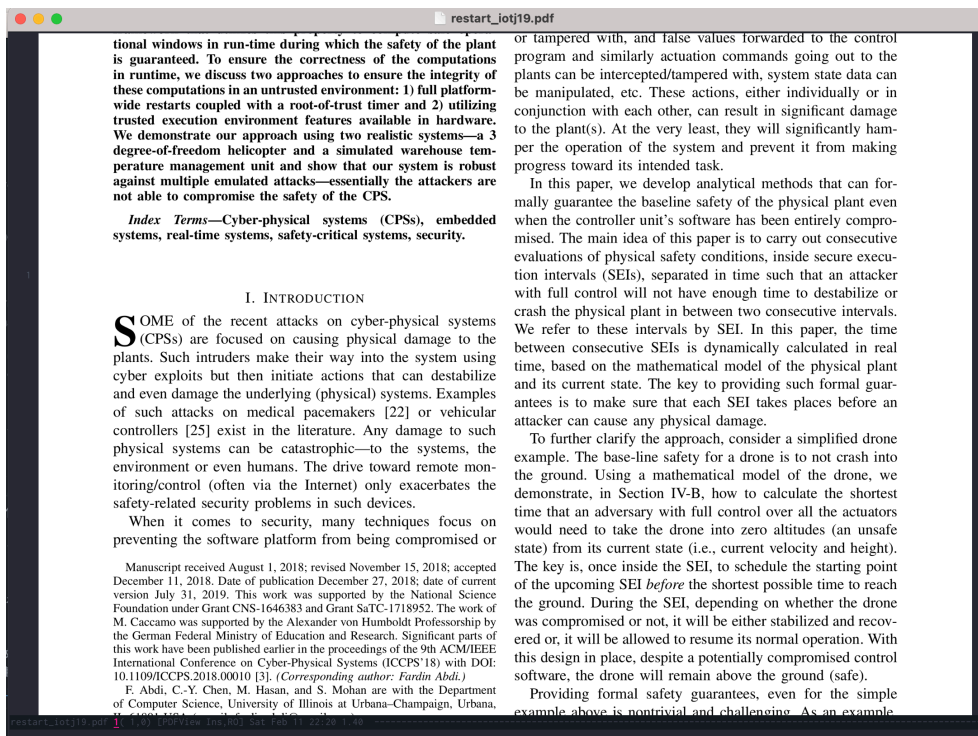
Is case-sensitive searching enabled? yes
Is modifying text annotations enabled? yes
Is modifying markup annotations enabled? yes

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'
#define __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.



- 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 [ "$exp_archlibdir" != "cd . && /bin/pwd" ]; then \
for file in rcs2log; do \
/usr/bin/install -c ./file \
"/usr/local/libexec/emacs/28.1/aarch64-apple-darwin22.3.0/$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'.

~/s/emacs-mac on emacs-28.1-mac-9.0 73 em --version
GNU Emacs 28.1
Copyright (C) 2022 Free Software Foundation, Inc.
GNU Emacs comes with ABSOLUTELY NO WARRANTY.
You may redistribute copies of GNU Emacs
under the terms of the GNU General Public License.
For more information about these matters, see the file named COPYING.

```

- 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.

```

macfont.m:3482:15: warning: 'CTGetCoreTextVersion' is deprecated: first deprecated in macOS 11.0 - Use -[NSProcessInfo operating
gSystemVersion] [-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 charscript.el
make[2]: Nothing to be done for 'charscript.el'.
CCLD      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

~/s/emacs on *P emacs-27.13 ?1 sudo make install
Password:
/Library/Developer/CommandLineTools/usr/bin/make -C lib all
make[1]: Nothing to be done for 'all'.
/Library/Developer/CommandLineTools/usr/bin/make -C lib-src all
make[1]: Nothing to be done for 'all'.
/Library/Developer/CommandLineTools/usr/bin/make -C src VCSWITNESS='${srcdir}/../.git/logs/HEAD' all
/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 charscript.el
make[2]: Nothing to be done for 'charscript.el'.
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.

1.5 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>