GNU Emacs

杨学辉 http://www.bagualu.net
最近更新 July 15, 2017

按键定义

● CTRL	C		● backspace	DEL
● SPACE	SPC		● ALT	M

获得帮助

● describe mode	C-h m		● Search help (apropos)	C-h a
● describe a key sequence	C-h k		● describe key bindings	C-h b
● describe function	C-h f		● Which key for command	C-h w
			● describe variable	C-h v

Buffers

● 选择其他buffer	C-x b		● 关闭buffer	C-x k
● 跳到下一个buffer	C-x right		● 列出所有buffer	C-x C-b
			● 跳到上一buffer	C-x left

加载和保存文件

● Find file	C-x C-f		● Toggle read only	C-x C-q
● Replace buffer w/ file	C-x C-v		● Find file at point	ffap
● Save all buffers	C-x s		● Save buffer	C-x C-s
			● Save buffer (new name)	C-x C-w
● Note: FTP file name syntax: /username@systemname:/path/file				

移动光标

	向后	向前
● 字符	C-b	C-f
● 单词	M-b	M-f
	C-left	C-right
● 行	C-p	C-n
● 行首行尾	C-a	C-e
● 句	M-a	M-e
● 页	C-x [	C-x]
● sexp	M-C-b	M-C-f
	A-left	A-right
● 括号结构	M-C-p	M-C-n
● 向上下移动一个括号结构	M-C-d	M-C-u
● 函数或Latex首尾	M-C-a	M-C-e
● buffer首尾	M-<	M->
● 上下滚屏	C-v	M-v
	A-v	
	PgUp	PgDn
● 左右滚屏	C-x <	C-x >
● 定位到当前行行中		C-l
● goto	line	char	column	non-blank char
	M-g g	M-g c	M-g TAB	M-m

选择文本

		● Swap mark & point C-x C-x	● 开始结束选择 C-SPC
● 选中单词	M-@	● 选中段落 M-h	● 选中buffer C-x h
● 选择sexp	M-C-SPC	● 选中函数 M-C-h	● 矩形选择模式 C-x SPC

剪切、复制和删除

	向后	向前
● 删除字符	DEL	C-d
● 剪切单词	M-DEL	M-d
● 剪切行	M-0 M-k	C-k
● 剪切句子	M-x DEL	M-k
● 剪切sexp	M-C-DEL	M-C-k
● 剪切整行		C-S-DEL
● 剪切区域		C-w
● 拷贝区域		M-w
● 剪切到字符 *char* (backward with prefix)		M-z *char*
● 粘贴		C-y
● 粘贴不移动光标		C-u C-y
● yank *nth* kill		C-n C-y
● copy to kill ring		M-w
● replace yank older kill		M-y
● 删除当前位置的空行		C-x C-o
● 删除当前位置的空格		M-\
● 删除缩进		M-^
● Append Next Kill		M-C-w
● delete-trailing-whitespace		
● delete-whitespace-rectangle		

寄存器

● 向寄存器中附加选定区域 (delete with prefix)		C-x r a
● 拷贝区域到寄存器 (delete with prefix)		C-x r x
● 拷贝矩形区域到寄存器 (delete with prefix)		C-x r r
● 保存当前位置到寄存器 (frame with prefix)		C-x r SPC
● 保存窗口配置到寄存器		C-x r w
● 插入寄存器中的内容		C-x r i
● 跳到寄存器保存的位置		C-x r j
● view-register		

矩形区域操作

● delete	C-x r d	● string C-x r t	● Nnumber Lines	C-x r N
● yank	C-x r y	● open C-x r o	● copy *	C-x r r
● kill	C-x r k	● clear C-x r c	● Tog Rect Select	C-x SPC

Narrowing

		● widen	C-x n w
● narrow-to-region	C-x n n	● narrow-to-defun	C-x n d

Bookmarks

● set	C-x r m	● jump C-x r b	● list	C-x r l
● bookmark-save		● bookmark-load	● bookmark-delete	

Faces

				● facemenu-remove-all	
● Set Default	M-g d	● Set Bold M-g b	● Set Italic	M-g i
● Set Inderline	M-g u	● Set Other M-g o	● Set Bold Italic	M-g l

Calculators

● calc-mode	C-x * c	● (quick) modeline calc	C-x * q
● Eval region	ESC M-:	● simple calculator	M-x calculator

Tabs

		● Width variable	tab-width
● Untabify region	M-x untabify	● Tabify region	M-x tabify

窗口

● move to other	C-x o		● delete other window	C-x 1
● delete window	C-x 0		● kill buffer & window	C-x 4 0
●Resize & Create	vertically horizontally			
● split-window	C-x 2	C-x 3		
● enlarge	C-x ^	C-x }		
● shrink	---	C-x {		
● balance-windows	C-x +	C-x +	Works in all directions	
● shrink to fit	C-x -	---		
● 窗口间跳转 需要安装包window-jump并调用windmove-default-keybindings				
● windmove-down	S-down		● windmove-up	S-up
● windmove-right	S-right		● windmove-left	S-left
● Do it in another window				
● dired	C-x 4 d	● find-file C-x 4 f	● switch-to-buffer C-x 4 b	
● find-tag	C-x 4 .	● find-file-RO C-x 4 r	● add change log	C-x 4 a

Formating

● Indent current line	TAB		● Align on regex	align-regexp
● Indent region	M-C-\		● Indent sexp	M-C-q
● Move rest of line down	M-C-o		● Indent region rigidly	C-x TAB
● set fill column	C-x f		● fill paragraph	M-q
			● set fill prefix	C-x .

Line Oriented Operations

● count-lines-region		● sort-lines
● delete-matching-lines		● delete-non-matching-lines
● list-matching-lines (M-s o)		
After list-matching-lines, hit [e] to edit, hit [C-c C-c] when done		

Repeating & Arguments

● Repeat 4 times	C-u	Use it n times to repeat 4^n times
● Repeat *n* times	C-u *n* C-u	
● Repeat *n* times	M-*n*	*n* may be ± digit or just the '-' sign.

Search & Replace

● query-replace	M-%		● query-replace-regexp	M-C-%
● Interactive replace responses:				
● Replace & next	y		● Replace & stop .	● Replace & stay ,
● Replace all	!		● Skip & next n	● Previous match ^
● Exit	q		● Edit replacement E	● Recursive edit C-r

搜索

	Incremental		Non-incremental	
	Backward	Forward	Backward	Forward
● 字符串搜索	C-r	C-s	C-r ret	C-s ret
● 正则表达式搜索	M-C-r	M-C-s	M-C-r ret	M-C-s ret
● 在搜索状态下:		● 取消搜索	C-g	
● 停止搜索	ret	● kill buffer for search	M-y	
● 搜索下行	C-y	● 切换正则表达式模式	M-r	
● 搜索单词	C-w	● 切换大小写敏感	M-c	
● 搜索当前位置的符号	M-s .	● 在文件中搜索	M-x find-grep	

hi-lock-mode

● unhighlight	C-x w r	● highlight-symbol-at-point	C-x w .
● highlight-regexp	C-x w h	● highlight-lines-matching-regexp	C-x w l

Tags & XRef

● xref-find-definitions	M-.	● Jump back M-,	● Find Refs	M-?
● xref-find-apropos	M-C-.	● find next C-u M-.	● tags-apropos	
● xref-query-replace-in-results		● tags-query-replace	● tags-search	

Emacs Regular Expression Syntax

● Standard Stuff:	^ $. * + […] \n	
● Start of word \<	● End of word \>	● Grouping \(…\)

Keyboard Macros

● Start keyboard macro def	C-x (	● End keyboard macro def	C-x)
● execute last macro	C-x e	● apply-macro-to-region-lines	

Mule

		● Set language	C-x RET l
● Set filename cod	C-x RET F	● Set buffer file cod	C-x RET f
● Set buffer process cod	C-x RET p	● Unicode by name/hex	C-x 8 RET

Snippets (yasnippet & insert functions)

● Reload all snippet definitions	M-x yas-reload-all
● Create a new snippet	M-x yas-new-snippet
● Show active snippet definitions	M-x yas-describe-tables
● Expand snippet	C-c e
● Insert date string	C-c d
● Mitch's Magic comments	ESC M-;

LaTeX & AcTeX

● Typeset/View	C-c C-c	● View Errors	C-c '
● Insert Env	C-c C-o	● Close Env	C-c]
● Insert Item	M-RET	● Complete TeX	M-TAB
● Mark Env	C-c .	● Fill Env	C-c C-q C-e
● Mark Section	C-x *	● Fill Section	C-c C-q C-s
● Narrow to Env	C-c n e	● Fill Paragraph	C-c C-q C-p
● Insert Section	C-c C-s	● Fill Region	C-c C-q C-r

编辑二进制文件 (hexl-mode)

● 退出hexl mode	C-c C-c	● 进入hexl mode	hexl-mode
● goto-hex-address	M-g	● goto-address (dec)	M-j
● insert-decimal-char	M-C-d	● insert-hex-char	M-C-x

IDO find-thingy bindings

● Use input string verbatim	C-j	● Edit input string	C-e
● Fallback to non-Ido mode	C-f	● Open dir in Dired mode	C-d
● Ask for dir to create	M-m	● Ask for file and use find	M-f
● Ask for dir and use find	M-d	● Show matches another window	?

Shell Commands & Buffer Contents

● Run shell command	M-!	● Run cmd on region	M-|
Prefix argument (C-u) causes above to insert result at point			

Version Control

		● vc dir	C-x v d	● revert	C-x v u
● action (ci/co)	C-x v v	● ediff	C-x v =	● merge	C-x v m
● ver other win	C-x v ~	● annotate	C-x v g	● cancel ver	C-x v c
● delete file	C-x v x	● create tag	C-x v s	● register	C-x v i
● change log	C-x v a	● print log	C-x v l		
● git-blame-mode					

git-status

		● find-file	RET	● view-file	v	
● mark-file	m	● unmark-file	u	● mark-all	M	
● toggle-marks	T	● commit-file	c	● add-file	a	
● ignore-file	i	● remove-file	r	● revert-file	U	
● see-ignored	t i	● see-unknown	t k	● see-uptodate	t u	
● log-file	l	● diff	=	● branch	C-c C-b	
● diff-other	d o	● diff-base	d b	● checkout	C-c C-o	

Diff Mode

● context mode	C-c C-d	● Next Hunk	M-n	● Goto Source	C-c C-c
● unified mode	C-c C-u	● Prev Hunk	M-p	● Refine Hunk	C-c C-b

ediff

Starting ediff

files:	● ediff	● ediff3	● ediff-merge
buffers:	● ediff-buffers	● ediff-buffers3	● ediff-merge-buffers
dirs:	● edirs	● edirs3	● edirs-merge
dirs(VC):	● edir-revisions		● edir-merge-revisions
files(VC):	● ediff-revision		● ediff-merge-revisions
regions:	● ediff-regions-wordwise		● ediff-regions-linewise

● Scrolls buffers UP	v	● Scrolls buffers DOWN	V
● Scrolls buffers LEFT	<	● Scrolls buffers RIGHT	>
● Jump previous difference	p	● Jump next difference	n
● Jump first difference	j		
● Recomputes the difference	!	● Refine current difference	*
● Maximizes/restores frame	m	● horizontal/vertical split	|
● Terminates Ediff session	q	● Ediff session info	i
● skip whitespace diff	##	● toggle case sensitivity	#c
● skip regex match	#h	● skip regex non-match	#f

Source Code Modes

Generic

● Magic comments	M-;	● indent exp/subprog	M-C-q
● beginning-of-defun	M-C-a	● end-of-defun	M-C-e

Fortran 77

● fortran-split-line	M-C-j	● fortran-join-line	C-c C-d
● Move block start	M-C-p	● Move block end	M-C-n
● Move back statement	C-c C-p	● Move next statement	C-c C-n
● fortran-column-ruler	C-c C-r	● Quick 73col window	C-c C-w

Fortran 90

● f90-mark-subprogram	M-C-h		
● f90-beginning-of-block	M-C-p	● f90-end-of-block	M-C-n
● f90-previous-block	C-c C-a	● f90-next-block	C-c C-e
● f90-previous-statement	C-c C-p	● f90-next-statement	C-c C-n
● f90-join-lines	C-c C-d	● f90-insert-end	C-c C-w

C/C++

● Move statement start	M-a	● Move statement end	M-e
● c-macro-expand	C-c C-e	● Indent function	C-c C-q

GUD

		● Start GDB	M-x gdb	● Start perl	M-x perldb
● Run	C-c C-r	● Step ASM inst	C-c C-i	● Set break	C-x SPC
● Continue	M-c	● Finish frame	C-c C-f	● Del breaks	C-c C-d
● Step line	C-c C-s	● Up arg frames	M-u		
● Step func	C-c C-n	● Dn arg frames	M-d		

Speedbar

		● refresh	g	● close-frame	q		
● next	n	● prev	p	● buffer mode	b	● file mode	f
		File Mode: ● Copy	C	● Delete	D	● Rename	R	● Mkdir	M

Interactive Lisp Mode (*scratch*)

● eval-print-last-sexp	C-j	● eval-defun	M-C-x
● lisp-complete-symbol	M-TAB	● indent-sexp	M-C-q

ESS (R)

	eval	and-go	and-step
● eval-buffer	C-c C-b	C-c M-b	-------
● eval-region	C-c C-r	C-c M-r	-------
● eval-paragraph	-------	C-c M-p	C-c C-p OR C-c C-c
● 为函数添加或更新Roxygen注释	C-c C-o C-o		

Inferior Modes (lisp/shell/sql/SLIME/etc..)

● Insert last argument	C-c .	● comint-kill-input	C-c C-u
● Move to last prompt	C-c C-p	● Move to next prompt	C-c C-n
● Recall last input	C-up	● Recall next input	C-down
● Last matching input	M-r	● Next matching input	M-s
● Clear last output	C-c C-o	● Move to buffer end	C-c C-e
● Write last result to file	C-c C-s	● backward-kill-word	C-c C-w

Fun Stuff

● M-x bubbles	● M-x blackbox	● M-x pong	● M-x lunar-phases
● M-x tetris	● M-x life	● M-x snake	● M-x sunrise-sunset

Time Clock

	● M-x timeclock-generate-report	
● M-x timeclock-in	● M-x timeclock-out	● M-x timeclock-change

rmail

● Open mbox file (rmail-input)	i						
● Message/Summary Actions							
● Send	m	● Next line	n	● Last line	>	● First line	<
● reply	r	● Prev line	p	● forward	f	● Full header	t
● Summarize		● All	h	● Regexp	M-C-s		
● Topic	M-C-t	● Recipients	M-C-r	● Senders	M-C-f		

SLIME

● Object Info & Docs

● Who Calls func	C-c C-w c	● Who func calls	C-c >
● Who References var	C-c C-w r	● Who Binds var	C-c C-w b
● Who Sets var	C-c C-w s	● Who expands Macro	C-c C-w m
● Apropos	C-c C-d C-a	● Hyperspec Lookup	C-c C-d h
● Describe Function	C-c C-d C-f	● Describe Symbol	C-c C-d C-d

● Code Editing

● File: Compile & load	C-c C-k	● Eval defun@ pt	M-C-x
● File: Compile	C-c M-k	● Eval expression@ pt	C-x C-e
● File: Load	C-c C-l	● Eval region	C-c C-r

● REPL Interaction

● Close () and eval	C-return	● Interrupt	C-c C-c
● Repl Shortcut	,	● Clear entire buffer	C-c M-o

● Misc (any mode)

● Interactive Eval	C-c :	● Buffer Selector	C-c s

Org-Mode

● Visibility & Motion

● Rotate visibility	TAB	● Show everything	C-u C-u C-u TAB
● previous heading	C-c C-p	● next heading	C-c C-n

● Structure Editing

● insert heading	M-RET	● edit/create link	C-c C-l
● demote subtree	M-S-LEFT	● promote subtree	M-S-RIGHT
● narrow to subtree	C-x n s	● toggle checkbox	C-c C-c

● Tables

		● re-align the table	C-c C-c
● move column left	M-LEFT	● move column right	M-RIGHT
● move row up	M-UP	● move row down	M-DOWN

● Babel

● eval block	C-c C-c	● eval subtree blocks	C-c C-v s
no confirmation	C-c C-v C-e	no confirmation	C-c C-v C-s
● eval buffer blocks	C-c C-v b	● create a block	C-c C-v d

● TODO

		● rotate state	C-c C-t
● DEADLINE timestamp	C-c C-d	● SCHEDULED timestamp	C-c C-s
● Set higher priority	S-<UP>	● Set lower priority	S-<DOWN>

● Time Tracking

● Clock-In on item	C-c C-x C-i	● Clock-Out on item	C-c C-x C-o
● Display clock info	C-c C-x C-d	● Insert time report	C-c C-x C-r

● Misc

		● insert timestamp	C-c .
● Display agenda	C-c a	● export dispatcher	C-c C-e

Dired

● Starting Up

● Normal	C-x d	● Subtree glob	M-x find-name-dired
● 'find'	M-x find-dired	● Grep hits	M-x find-grep-dired

● Basic Bindings

● Change sort/ls options	s	● Update the dired buffer	g
● Insert subdirectory listing	i	● Remove subdirectory listing	k
● Copy filenames to kill ring	w	● Create a subdirectory	+
(full path with 0 prefix arg)		● Enter directory	ENTER

● Cursor Movement	Backward	Forward
● Line	p	n
● Directory	<	>
● Subdirectory	M-C-p	M-C-n
● Marked File	M-{	M-}

● Power Delete (d) files

		● Remove all tags	U	● Tag auto-save files	#
● Tag for delete	d	● Remove tag	u	● Tag backup files	~
● Tag via regex	% d	● Delete files taged	x		

● Marking (*) Files

● Unmark all	U	● Toggle marks	t	
● Mark current File	m	● Unmark current file	u	
● Mark simlinks	* s	● Mark executables	* *	
● Matching regex	% m	● containing regex	% g	

● Operate on Current or Marked (*)

● chgrp	G	● chown	O	● copy	C	● sh command	!
● chmod	M	● touch	T	● symlink	H	● sh command on each	C-u !
● downcase	% D	● upcase	% U	● hardlink	S	● Search in	A
● print	P	● compress	Z	● rename	R	● Search-n-replace	Q

● Operate Current File

● visit	f	● View read only	v
● visit other window	o	● diff file @ mark	=
● yank attributes at point during chgrp, chown, or touch: M-n			
● Krazy dired edit	C-x C-q		

EShell

● Interactive functions

		● insert envvar	C-c M-v	● man cur command	C-c M-h
● complete list	M-?	● predicate help	C-c M-q	● list-processes	C-c C-s
● kill process	C-c C-k	● modifier help	C-c M-m	● insert buffer name	C-c M-b
● list history	C-c C-l	● mark output	C-c M-o	● complete lisp sym	M-C-i

● Movement	Previous	Next
● matching-input-from-input	M-p	M-n
● matching-input	M-r	M-s
● input	C-c M-p	C-c M-n
● prompt	C-c C-p	C-c C-n
● argument	C-c C-b	C-c C-f

● Eshell functions in lisp code

● eshell-extended-glob	● eshell-environment-variables
● eshell-envvar-names	● eshell-interactive-print

● Redirection

	● /dev/eshell -- Print to Eshell	
● > overwrite	● #'a-lisp-variable	● /dev/null -- NULL device
● >> Append	● #<buffer a-buffer-name>	● /dev/clip -- clipboard
● >>> Insert at point	● a-file-name	● /dev/kill -- kill ring

● Expansion

● $var	Value of var (a LISP variable)	● $#var	Length of value bound to var
● $(lisp)	Result of LISP s-expression	● ${command}	Output of shell command