GNU Emacs

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Exit Emacs: C-x C-c
- k_1 k_2 means press and release each key in sequence
- k_1-k_2 means press and hold each key in sequence
- A=Alt C=Ctrl M=Meta ESC=Escape
- C-[is the same as ESC • M-k_1 can almost always be ESC k_1

Help
- 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
                                             • Kill buffer   C-x k
- Go to other buffer   C-x b   • Buffer Menu   C-x C-b
- Go NEXT buffer   C-x right • Go PREVIOUS buffer   C-x left

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

Movement & Scrolling

	Backward	Forward
• character	C-b	C-f
• word	M-b	M-f
	C-left	C-right
• line	C-p	C-n
• line start/end	C-a	C-e
• sentence	M-a	M-e
• page	C-x [	C-x]
• sexp	M-C-b	M-C-f
	A-left	A-right
• paren group/quotes	M-C-p	M-C-n
• up/down paren structure	M-C-d	M-C-u
• function or LaTeX begin/end	M-C-a	M-C-e
• buffer start/end	M-<	M->
• Scroll up/down screen	C-v	M-v
	A-v	
	PgUp	PgDn
• Scroll left/right screen	C-x <	C-x >
• Center on current line		C-l

- goto   line   char   column   non-blank char
          M-g g   M-g c   M-g TAB   M-m

Marking
                           • Swap mark & point C-x C-x • Set mark   C-SPC
- mark word   M-@   • mark paragraph   M-h   • mark buffer C-x h
- mark sexp   M-C-SPC • mark function   M-C-h • rect mode   C-x SPC
                           • deactave mark   C-SPC C-SPC

Quick Killing

	Backward	Forward
• delete-char	DEL	C-d
• kill-word	M-DEL	M-d
• kill-line	M-O M-k	C-k
• kill-sentence	M-x DEL	M-k
• kill-sexp	M-C-DEL	M-C-k

Kill, Yank & Delete
- kill-line   C-S-DEL   • kill to char   M-z char
- kill-region   C-w   • copy region   M-w
- yank   C-y   • yank without moveing point   C-u C-y
- yank nth kill   C-n C-y   • Append Next Kill   M-C-w
- copy as kill   M-w   • replace yank older kill   M-y
- Kill blank lines   C-x C-o   • delete-trailing-whitespace
- Kill whitespace   M-\   • delete-whitespace-rectangle
- Kill indentation   M-^

Registers
- Append region to register   (delete with prefix) C-x r a
- Copy region to register   (delete with prefix) C-x r x
- Copy rectangle to register   (delete with prefix) C-x r r
- Store point in register   (frame with prefix)   C-x r SPC
- Store Window configuration in register   C-x r w
- Insert region or rectangle from register   C-x r i
- Jump to point/frame/window config in register   C-x r j
- view-register

Rectangles
- 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

Spell Check (ispell/flyspellqq)
- ispell-region   • ispell-kill-ispell   • flyspell-mode
- ispell-buffer   • ispell-comments-and-strings   • flyspell-prog-mode

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

External World
- browse url   C-c b   • Lookeruper   C-c l
- View CWD   C-c e   • View File   C-c v

Windows
- 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 -   ---
- After 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

Search

	Incremental		Non-incremental	
	Backward	Forward	Backward	Forward
• string search	C-r	C-s	C-r ret	C-s ret
• regexp search	M-C-r	M-C-s	M-C-r ret	M-C-s ret
• During search:		• Abort search	C-g	
• Stop	ret	• kill buffer for search	M-y	
• line for search	C-y	• Toggle regexp mode	M-r	
• word for seach	C-w	• Toggle case sensitivity	M-c	
• Symbol @ point	M-s .	• Search in files	M-x find-grep	

hi-lock-mode
- unhighlight   M-s h u • highlight-symbol-at-point   M-s h .
- highlight-regexp M-s h r • highlight-lines-matching-regexp M-s h 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 (macro)   C-c m
- Insert date string   C-c d
- Mitch's Magic comments   ESC ESC ;

LaTeX & AcTeX
- Typeset/View   C-c C-c   • View Errors   C-c '
- Insert Env   C-c C-e   • 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-x n e   • Fill Paragraph C-c C-q C-p
- Insert Section C-c C-s   • Fill Region   C-c C-q C-r

hexl-mode
                                    • exit hexl mode   C-c C-c
- goto address (hex)   M-g   • goto address (dec)   M-j
- insert char (hex)   M-C-x • insert char (dec)   M-C-d

IDO
                          • Start dired   C-d   • New verbatum C-j
- Edit input   C-e   • Show matches   ?   • Create dir   M-m
- Toggle regex C-t   • Toggle case   C-c   • Toggle prefix C-p
- Toggle ignore C-a   • Dumb file   C-f   • Dumb buffer   C-b

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

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

	● Start eshell	C-c s

● Interactive functions

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