

GNU/X Emacs

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How to get out: C-x C-c

Buffers

- Go to other buffer C-x b
- Go NEXT buffer C-x right
- Kill buffer C-x k
- List all buffers C-x C-b
- Go PREVIOUS buffer C-x left

Loading & Saving Files

- Find file C-x C-f
- Find file read only C-x C-r
- See "Windows & Frames" for more options
- Find file at point (ffap) C-c C-f
- Replace buffer with other 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
- Toggle read only C-x C-q
- Note: FTP file name syntax: /username@systemname:/path/file

Cursor Movement & Scrolling

- | | Backward | Forward |
|----------------------------|----------|---------|
| • character | C-b | C-f |
| • word | M-b | M-f |
| • 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 |
| • function | M-C-a | M-C-e |
| • buffer start/end | M-< | M-> |
| • Scroll up/down screen | C-c | M-v |
| • Scroll left/right screen | C-x < | C-x > |
| • Center on current line | | C-l |
| • goto-line | | C-c C-l |
| • first non-blank char | | M-m |

Marking

- Set mark C-SPC
- mark word M-@
- mark sexp M-C-SPC
- mark buffer C-x h
- Swap mark & point C-x C-x
- mark paragraph M-h
- mark function M-C-h
- Pop mark-n-move C-u C-SPC

Killing, Yanking & Deleting

- | | Backward | Forward |
|--|----------|----------|
| • delete-char | DEL | C-d |
| • kill-word | M-DEL | M-d |
| • kill-line | M-0 M-k | C-k |
| • kill-sentence | M-x DEL | M-k |
| • kill-sexp | M-C-DEL | M-C-k |
| • kill-entire-line | | C-S-DEL |
| • kill-region | | C-w |
| • copy region | | M-w |
| • kill to char | | M-z char |
| • yank | | C-y |
| • yank without moving point | | C-u C-y |
| • yank nth kill | | C-n C-y |
| • copy to kill ring | | M-w |
| • replace yank older kill | | M-y |
| • Delete blank lines at point | | C-x C-o |
| • Delete whitespace at point | | M-\ |
| • Delete indentation | | M-^ |
| • Append Next Kill | | M-C-w |
| • delete-trailing-whitespace | | |
| • MJR-delete-whitespace-rectangle | | |

Registers

- append-to-register (region) (delete with prefix) C-x r a
- copy-to-register (region) (delete with prefix) C-x r x C-x x
- copy-rectangle-to-register (delete with prefix) C-x r r
- point-to-register (store frame with prefix) C-x r SPC C-x /
- **MJR-file-to-register** C-x r f
- window-configuration-to-register C-x r w
- insert-register (region/rectangle) C-x r i C-x g
- view-register C-x r v
- jump-to-register (point/frame/win config) C-x r j C-x j

Rectangles

- string-rectangle C-x r t
- yank-rectangle C-x r y
- kill-rectangle C-x r k
- copy-rectangle-* C-x r r
- open-rectangle C-x r o
- delete-rectangle C-x r d
- clear-rectangle C-x r c

Narrowing

- narrow-to-region C-x n n
- widen C-x n w

Tags

- find-tag M-.
- find-tag next occurrence C-u M-.
- find-tag-regexp M-C-.
- pop-tag-mark (pop to last M-.) M-*

Spell Check (ispell)

- ispell-region
- ispell-comments-and-strings
- ispell-buffer
- ispell-change-dictionary

Bookmarks

- bookmark-bmenu-list C-x r l
- bookmark-set C-x r m
- bookmark-jump C-x r b
- delete bookmark M-x bookmark-delete
- save bookmarks M-x bookmark-save
- load bookmark file M-x bookmark-load
- save bookmarks (new name) M-x bookmark-write

Tabs

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

Faces

- facemenu-set-default M-g d
- facemenu-set-italic M-g i
- facemenu-set-underline M-g u
- facemenu-remove-all
- facemenu-set-bold M-g b
- facemenu-set-bold-italic M-g l
- facemenu-set-face M-g o

Windows & Frames

- | | Window | Frame |
|---------------------------------------|---------|----------------------|
| • other-* (n-th one with arg) | C-x o | C-x 5 o |
| • delete-* | C-x 0 | C-x 5 0 |
| • delete-other-* | C-x 1 | C-x 5 1 |
| • split-window-vertically/make-frame | C-x 2 | C-x 5 2 |
| • split-window-horizontally | C-x 3 | |
| • balance-windows (height) | C-x + | |
| • enlarge-window | C-x ^ | |
| • enlarge-window-horizontally | C-x } | |
| • shrink-window (height) | | |
| • shrink-window-horizontally | C-x { | |
| • shrink-window-if-larger-than-buffer | C-x - | |
| • scroll-other-window (up) | M-C-v | |
| • scroll-other-window-down | M-C-S-v | |
| • dired-other-* | C-x 4 d | C-x 5 d |
| • find-file-other-* | C-x 4 f | C-x 5 f |
| • find-file-read-only-other-* | C-x 4 r | C-x 5 r |
| • find-tag-other-* | C-x 4 . | C-x 5 . |
| • switch-to-buffer-other-* | C-x 4 b | C-x 5 b |
| • add-change-log-entry-other-* | C-x 4 a | |
| • kill-buffer-and-* | C-x 4 0 | |
| • After windmove-default-keybindings | | |
| • windmove-down S-down | | windmove-up S-up |
| • windmove-right S-right | | windmove-left S-left |

Formating

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

Line Oriented Operations

- count-lines-region
- delete-matching-lines
- list-matching-lines
- sort-lines
- delete-non-matching-lines
- highlight-lines-matching-regexp

Repeating & Arguments

- Repeat 4 times C-u
- Use it n times to repeat 4*n times
- Repeat n times with C-u n C-u
- Repeat n times with M-n
- n may be positive, negative, or just the '-' sign.
- Some commands behave differently with C-u vs M-4

Search & Replace

- query-replace M-%
- query-replace-regexp M-C-%
- Interactive replace responses:
 - Replace and go on y
 - Replace and stay ,
 - Skip and go on n
 - Exit query replace q
 - Recursive edit (M-C-c exits) C-r
 - Replace and stop .
 - Replace all !
 - Backup to last match ^
 - Edit the replacement E

Search

- | | Incremental | Non-incremental |
|---|-------------|--|
| | Backward | Forward |
| • string search | C-r | C-s |
| • regexp search | M-C-r | M-C-s |
| • M-C-r ret | | M-C-s ret |
| • Durring search: <ul style="list-style-type: none">• Abort search C-g• Toggle case sensitivity M-c• word for seach C-w• kill buffer for search M-y• Search ring next M-n | | <ul style="list-style-type: none">• Stop ret• Toggle regexp mode M-r• line for search C-y• Complete from search ring M-y• Search ring previous M-p |

Emacs Regular Expression Syntax

- Start of line ^
- Any single char .
- Zero or more c c*
- One or more c c+
- Start of word \<
- Grouping \(...\)
- Notes:
 - Unlike in Perl, parenthesis are not special
 - '\(' in REPLACEMENT is as in Perl (Use '\(' for literal).
- End of line \$
- Character classes [...]
- Zero or more chars .*
- One or more chars .+
- End of word \>

Help

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

LaTeX

• Typeset/View/Print	C-c C-c	• View Errors	C-c '
• find-matching-begin	M-C-a	• find-matching-end	M-C-e
• show-environment	C-c C-x	• hide-environment	C-c C-z
• environment	C-c C-e	• close-environment	C-c]
• math-mode	C-c -	• fill-environment	C-c C-q C-e
• section	C-c C-s	• fill-section	C-c C-q C-s
• insert-item	M-RET	• fill-region	C-c C-q C-r
• TeX-complete-symbol	M-TAB	• fill-paragraph	C-c C-q C-p

GUD

• Start GDB	M-x gdb
• Start perl debugger	M-x perlddb
• Start dbx	M-x dbx
• Set breakpoint	C-x SPC
• Step line	C-c C-s
• Step line (into funcs)	C-c C-n
• Step single machine inst	C-c C-i
• Run	C-c C-r
• Finish current stack frame	C-c C-f
• Continue	M-c
• Up arg frames	M-u
• Down arg frames	M-d
• Remove breakpoints	C-c C-d

Interactive Lisp Mode

• eval-print-last-sexp	C-j
• lisp-indent-line	TAB
• lisp-complete-symbol	M-TAB
• eval-defun	M-C-x
• indent-sexp	M-C-q
• Notes:	
• The *scratch* buffer is a ‘‘Lisp Inteaaction buffer’’.	
• If it dosen't exist, switching to it will create it.	

Inferior (External) Lisp Mode

• Start/switch to *inferior-lisp* buffer	M-x inferior-lisp
• Inferior Lisp Mode Key Bindings	
• lisp-show-variable-documentation	C-c C-v
• lisp-show-function-documentation	C-c C-f
• lisp-describe-sym	C-c C-d
• lisp-show-arglist	C-c C-a
• lisp-compile-file	C-c C-k
• lisp-load-file	C-c C-l

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

• Insert previous argument	C-c .
• Move to previous prompt	C-c C-p
• Move to next prompt	C-c C-n
• Dynamic complete	tab
• Recall previous input	C-up
• Recall next input	C-down
• Send input	ret
• Next matching input	M-s
• Previous matching input	M-r
• Write last command result to file	C-c C-s
• Clean buffer up to last input	C-c C-o
• Move to the end of the buffer	C-c C-e
• backward-kill-word	C-c C-w
• comint-kill-input	C-c C-u

Version Control

• vc-next-action (ci/co)	C-x v v	• vc-revert-buffer	C-x v u
• vc-version-other-window	C-x v ~	• vc-diff	C-x v =
• vc-merge	C-x v m	• vc-print-log	C-x v l
• vc-register	C-x v i	• vc-insert-headers	C-x v h
• vc-annotate	C-x v g	• vc-cancel-version	C-x v c
• vc-update-change-log	C-x v a		

Mule

• set-language-environment	C-x RET l
• set-input-method	C-x RET C-
• set-next-selection-coding-system	C-x RET X
• set-selection-coding-system	C-x RET x
• set-buffer-process-coding-system	C-x RET p
• set-keyboard-coding-system	C-x RET k
• set-terminal-coding-system	C-x RET t
• set-file-name-coding-system	C-x RET F
• revert-buffer-with-coding-system	C-x RET r
• set-buffer-file-coding-system	C-x RET f

Keyboard Macros

• Start keyboard macro definition	C-x (
• End keyboard macro definition	C-x)
• execute last keyboard macro	C-x e
• Append to last macro	C-x C-x (
• name-last-kbd-macro	
• insert-kbd-macro (as lisp)	
• apply-macro-to-region-lines	

Shell Stuff

• Run single shell command	M-!
• run command on region	M-
• Note: Given an argument (C-u) both above commands insert result	
• run shell window	M-x shell

Fortran Mode

• fortran-column-ruler	C-c C-r	• Quick 73col window	C-c C-w
• Start or indent comment	M-;	• Comment region	C-;
• fortran-split-line	M-C-j	• Indent subprogram	M-C-q

C-like Modes

• c-macro-expand	C-c C-e
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Editing Binary Files (hexl-mode)

• hexl-find-file	
• exit hexl mode	C-c C-c
• hexl-beginning-of-1k-page	C-x [
• hexl-end-of-1k-page	C-x]
• hexl-beginning-of-512b-page	M-C-a
• hexl-end-of-512b-page	M-C-e
• hexl-backward-short	M-C-b
• hexl-forward-short	M-C-f
• hexl-backward-word	M-b
• hexl-forward-word	M-f
• hexl-goto-hex-address	M-g
• hexl-goto-address	M-j
• hexl-insert-decimal-char	M-C-d
• hexl-insert-octal-char	M-C-o
• hexl-insert-hex-char	M-C-x

Dired

• Start Dired	C-x d
• Change sort/ls options	s
• Update the dired buffer	g
• Insert subdirectory listing	i
• Remove subdirectory listing	k
• Smart clean up	% c
• Copy filenames to kill ring	W (full path with prefix argument)
• Copy filenames to kill ring	w (full path with prefix argument)
• Enter directory	ENTER
• Cursor Movement	Backward Forward
• Line	p n
• Directory	< >
• Subdirectory	M-C-p M-C-n
• Marked File	M-p M-n
• Un-mark (marked with '*') and Un-flag (marked with 'd')	
• All Files	M-delete
• All Files	U
• Power Delete	
• Mark for delete	d
• Mark auto-save files	#
• Mark via regex	% d
• Marking Files (with *)	
• Current File	m
• All RCS files	,
• All symlinks	@
• Matching regex	% m
• Operate on Current or Marked (marked with *)	
• chgrp	G
• copy	C
• chmod	M
• symlink	S
• uucode	U
• lowercase	% D
• Search in marked	A
• grep	E
• Shell command	!
• delete	X
• Operate Current File	
• visit	f
• visit other window	o
• diff file @ mark	= d
• Make a subdir	+
• Operate Files Matching Regex	
• Copy	% C
• Downcase names	% D
• Relative Symlink	% Y
• Hardlink	% H
• Remove mark	u
• Mark backup files	~
• Delete all marked	x
• Executables	*
• All directories	/
• With extension	% e
• All all but . and ..	m
• chown	O
• rename	R
• hardlink	H
• relsymlink	Y
• compress	Z
• upcase	% U
• Search and replace	Q
• print	P
• Shell command on each C-u !	!
• total size	T
• View read only	v
• visit other frame	w
• diff backup	= b
• Rename	% R
• Upcase names	% U
• Symlink	% S

hi-lock-mode

• unhighlight-regexp	C-x w r
• highlight-regexp	C-x w h
• highlight-phrase	C-x w p
• highlight-lines-matching-regexp	C-x w l

Speedbar

• Startup speedbar mode	M-x speedbar
• Speedbar Key Bindings	
• speedbar-refresh	g
• speedbar-next	n
• speedbar-close-frame	q
• speedbar-prev	p

Save & Load Emacs Sessions

• desktop-save-mode	M-x desktop-save-mode
• desktop-save	M-x desktop-save
• desktop-read	M-x desktop-read

Misc

• Telnet	M-x telnet
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