Windows - Managing and Moving To Other Windows

<u>Operation</u>	Keystro	<u>oke</u>		Function				Not	<u>e</u>	
Window Operations See also: • ∑ Customize • ∑ Key-Chords	frames. These b windmove, bi winner, also b layout-restor	easic facilities uilt-in, activat built-in, which	can be ed by P provide ivates it	extended by severa EL, with different ke es the ability to resto with pel-use-resto	built-in by binding bre previous pre-layou	and external	ernal packages: serve ability to show pane layouts. ption set to t. This	E-x 2 and C-x 3 with s nift-mark when moving ac PEL activates it when s associates layouts to but ws' upper left corner for	ross text with cursor or pel-use-winner us	er option is t.
∑ Frames ∑ Speedbar Emacs Lisp Windows section.	PEL activates it when pel-use-ace-window user option is t. • key-chord , to activate dual-key chords to move across windows. PEL activates it when pel-use-key-chord user option is t. • Windows can be dedicated to specific buffers, for example by Speedbar (see Speedbar). • Several windows with the same buffers can operate as a single flow with follow mode . PEL provides extra commands and key bindings:									
All window scrolling commands are described in the Scrolling page.	 It adds several key bindings under the <f11> key prefix. These are available in both graphics and terminal modes.</f11> ★ On macOS, in graphics mode only, the ૠ key is mapped to the super prefix key (s-). ★ On Windows, the ��enu key is mapped to the hyper key. Below the ❖ icon is used to represent the Menu key under Windows. ▼ In graphics mode, mouse operations are available. They can also be enabled in terminal mode, with the xterm-mouse-mode enabled. With PEL, use <f11><f12> to toggle the xterm-mouse-mode.</f12></f11> ✔ Operations on windows can be applied to windows in other frames, whether Emacs is running in graphics mode or in terminal mode. 									
				sible at a time thoug		iiies, wi	lettier Littaos is it	drilling in graphics mode	or in terminal mode.	
Open this PDF file. See also: <u>∑ Help/Info</u>				, ,						
Customize PEL vindow control	<f11> w <f2< td=""><td>!></td><td></td><td>istomize-pel &optic R-WINDOW)</td><td>nal</td><td></td><td>nize PEL Window HER-WINDOW is</td><td>support. s non-nil (use C-u), displ</td><td>ay in other window.</td><td></td></f2<></f11>	!>		istomize-pel &optic R-WINDOW)	nal		nize PEL Window HER-WINDOW is	support. s non-nil (use C-u) , displ	ay in other window.	
Customize Emacs vindow control	· · · · · · · · · · · · · · · · · · ·			ptional	winner,	windmove and w ndresize does not	ow support groups: windowindresize. uses its own group. It placed. PEL opens that group.	aces its customizatio	n inside the Emacs	
ace-window # on C Mode Line	• Type < f11 >	<f2> o a</f2>	ce-wind	dow-display-mode	to open t	the custo	omize buffer to ch	left of the mode-line. nange it. ode, <f11> w # , to ac</f11>	ctivate it manually.	
Toggle showing ace-window # on window mode line	 <f11> w #</f11> <f11> M-1 #</f11> (ace-window-display-mode & optional ARG) Toggle the ace-window-display-mode, a minor mode that displays the ace window each window inside the left hand side of its mode line. Requires the ace-window external package. 									
Close window [Kill buffer] Create/Split normal/side/root windows Resize window Fit size to buffer content Flip vertical/ horizontal layout Change to previous/next layout Display different buffer in window	To cancel the H Use the q ke You can also The windres The ace-wind The name of t command fun A snapshot of th Create	Hydra hit the early to quit from the use b and besize command dow command the PEL windonction listed in	<f7> ke a buffers to char d (described bound bow hydra the Fur anageme</f7>	is that can be dismissinge the buffer currer libe below) provides do to C-x o key pro a commands are nonction column. For ent hydra hint menu Layout n: next layout p: last layout	sed like ti tity visible an altern vides a p t listed b example shows u	he *Helpe in the continue for the contin	* buffer. It also checurrent window. most of the compoverlapping feature and and windmove-uminibuffer area as Resize		n this Hydra. key assignment than wnd/ and ends with p>. is pressed: Buffer K: kill buf/win	the Hydra # key. the same name as the Other
Change window dedication settings Change buffer in window	M-6: side r: root ↓	C- <up>: C-<down>: C-<left>: C-<right>:</right></left></down></up>		<pre>x: swap with.# M-v: flip vert. M-h: flip horiz.</pre>	<right< th=""><th></th><th>h: narrower</th><th>C-S-<up>: above C-S-<down>: below C-S-<left>: left C-S-<right>: right</right></left></down></up></th><th>k: kill buffer b: next buffer B: prev buffer 5: recenter</th><th><pre>d: un/dedicat</pre></th></right<>		h: narrower	C-S- <up>: above C-S-<down>: below C-S-<left>: left C-S-<right>: right</right></left></down></up>	k: kill buffer b: next buffer B: prev buffer 5: recenter	<pre>d: un/dedicat</pre>
Recenter buffer	Switch to the pe	el-∑buffer Hy	<u>/dra</u> by	typing <f7><f7><f< b=""></f<></f7></f7>	9>. S	ee <u></u> But	ffers			
Move point to other window - C-u: swap - C-u C-u: delete				window COUNT &c RAMES)	ptional	 Select (move point) to other window. Select another window in cyclic ordering of w With prefix argument consider all frames. This is Emacs default behaviour for this key. And PEL's default: pel-use-ace-nil. Change it to activate the functionality described in next row. 			-	
 Move to other window Move to specified window Ace 	(ace-window ARG)					Move to (and possibly operate on) window selected by an Ace target code. Requires the <u>ace-window</u> external package. PEL downloads, installs and activates it when the <u>pel-use-ace-window</u> user option is set to t.				
target Operate on specified window	 type one of the following letters, followed by the target window number to move to the target window and operate on it: x - delete window m - swap windows M - move window 									
See also: <u>▼</u> Customize Demo: <u>C'est la Z,</u>										
<u>video 5</u>	 c - copy window j - select buffer n - select the previous window u - select buffer in the other window c - split window fairly, either vertically or horizontally v - split window vertically b - split window horizontally o - maximize current window ? - show these command bindings 									
	 In graphics mode the other Emacs frames are in other OS window. In text terminal mode, other Emacs frames are hidden (as they occupy the exact same OS window): just one Emacs frame is displayed. An argument can be used to perform more operations: To force a window number prompt, use any negative prefix (including just typing C alone). Useful with several frames when current frame has 1 or 2 windows active. Prefixed with one C-u, does a swap between the selected window and the current window, so that the selected buffer moves to current window (and 									
	current buf	fer moves to	selected	•	<f11></f11>	w x ke	y does the same	(but does not prompt wh		,

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>					
Move point to next window can specify all frames	<f11> w o</f11>	(pel-other-window &optional ALL-FRAMES)	Move to other window, like the original other-window. With any prefix argument consider all frames. Without argument move only within current frame. Useful when 'other-window' has been remapped to something like 'ace-window' and want					
Move point to previous window can specify all frames	<f11> w 0</f11>	(pel-other-window-backward &optional N)	to see where the <i>next</i> window is. Select Nth previous window. • n defaults to 1 : meaning direct previous window. • with negative n: move as (abs n) but consider all frames. If n is positive consider only current frame. • This is the inverse of what does the standard (other-window). • This command might be useful when ace-window is not used.					
Move point to	Along with several other key bindings, PEL creates the <esc>-cursor key bindings described below. In some circumstances, these key bindings can conflict</esc>							
identified window • Esc-cursor keys for windmove	PEL provides the following pel-windmove-on-esc-cu. This affects the behavional series of the series	ng user options to control the key bin ursor controls the <esc> bindings, it ur of the <esc> cursor key bindings tros map C-M- bindings such as C-i</esc></esc>	is on by default on macOS and Windows, but off on Linux. in org buffer as well to ensure a regular navigation across all buffers. M- <right> and C-M-<left> If this is not the case for your Linux system, you can activate the Esc C- bindings in replacement for the C-M- bindings you need to access several Emacs</left></right>					
Move to window above	<pre> <f11> <up> <f1> <up> <f1> <up> <esc> <up> %-<up> %-<up> * <f7> <up> </up></f7></up></up></up></esc></up></f1></up></f1></up></f11></pre>	(windmove-up &optional ARG)	Select the window above the current one. • With no prefix argument, or with prefix argument equal to zero, "up" is relative to the position of point in the window; otherwise it is relative to the left edge (for positive ARG) or the right edge (for negative ARG) of the current window. • If no window is at the desired location, an error is signalled. With PEL, the yu key-chord is also available when key-chord is available and active. See Key-Chords.					
Move to window below	• <f11> <down> • <f1> <down> • <f1> <down> • <esc> <down> • %-<down> • \$-<down> • \$-<down> • \$-f7> <down> • bn</down></down></down></down></down></esc></down></f1></down></f1></down></f11>	(windmove-down &optional ARG)	Select the window below the current one. • With no prefix argument, or with prefix argument equal to zero, "down" is relative to the position of point in the window; otherwise it is relative to the left edge (for positive ARG) or the right edge (for negative ARG) of the current window. • If no window is at the desired location, an error is signalled. With PEL, the bn key-chord is also available when key-chord is available and active. See Key-Chords.					
Move to window at left	<pre> <f11> <left> <f1> <down> <esc> <left> *-<left> *-<left> *-<left> * <f7> <left> *</left></f7></left></left></left></left></esc></down></f1></left></f11></pre>	(windmove-left &optional ARG)	Select the window to the left of the current one. • With no prefix argument, or with prefix argument equal to zero, "left" is relative to the position of point in the window; otherwise it is relative to the top edge (for positive ARG) or the bottom edge (for negative ARG) of the current window. • If no window is at the desired location, an error is signalled. With PEL, the gf key-chord is also available when key-chord is available and active. See Key-Chords.					
Move to window at right	<pre> <f11> <right> <f1> <right> <fs> <right> <esc> <right> *-<right> *-<right> * <f7> <right> ik</right></f7></right></right></right></esc></right></fs></right></f1></right></f11></pre>	(windmove-right &optional ARG)	Select the window to the right of the current one. With no prefix argument, or with prefix argument equal to zero, "right" is relative to the position of point in the window; otherwise it is relative to the top edge (for positive ARG) or the bottom edge (for negative ARG) of the current window. If no window is at the desired location, an error is signalled. With PEL, the jk key-chord is also available when key-chord is available and active. See Key-Chords.					
Swap (eXchange) windows	• <f11> w x * <f7> x</f7></f11>	(ace-swap-windows)	Swap buffers of the current window with another. If 3 windows or more, a single digit shows up in the top-left corner identifying the number to type to swap to this window. PEL downloads, install and activates it when the pel-use-ace-window user options is set to t.					
Close Windows	The following commands are	used to remove (close) windows. The	ne last row correspond to a set of four PEL commands bound to cursor keys.					
Close this windows	• C-x 0 * <f7> 0</f7>	(delete-window &optional WINDOW)	This just closes the window and moves the cursor to the next window.					
Close other (next) window	• <f11> w w * <f7> o</f7></f11>	(pel-close-other-window)	Close the other window. Hide its buffer, does not kill it. Useful to close temporary window, like the help window, without having to move into it.					
Close all other windows	• C-x 1 * <f7> 1</f7>	(delete-other-windows &optional WINDOW)	Maximize current window: make current window fill its frame. Close all other windows.					
Close window identified by number	<f11> w k</f11>	(ace-delete-window)	Delete a window selected by a number, a number shown in the top-left corner of the window. • If there's only 2 windows, kills the other window. If only 1 window is used, does not kill it. • Needs <u>ace-window</u> external package. PEL downloads, installs and activates it when the <u>pel-use-ace-window</u> user options is set to t.					
Maximize window identified by number	<f11> w m</f11>	(ace-maximize-window)	Maximize specified window. Close all windows except the window selected by number, a number shown in the top-left corner of the window. Needs <u>ace-window</u> external package. The old versions used ace-window-maximize, but newer versions use ace-delete-maximize-windows. PEL uses the one that is available. PEL downloads, install and activates it when the <u>pel-use-ace-window</u> user options is set to t.					
Close a window identified by cursor direction	• ESC C-S- <right> • ESC C-S-<left> • ESC C-S-<down> • ESC C-S-<up> • <f1> C-S-<right> • <f1> C-S-<left> • <f1> C-S-<down> • <f1> C-S-<down> • <f1> C-S-<down> • <f1> C-S-<up> • <f11> C-S-<right> • <f11> C-S-<right> • <f11> C-S-<right> • <f11> C-S-<left> • <f11> C-S-<left> • <f11> C-S-<down> • <f11> C-S-<down> • <f11> C-S-<down> • <f11> C-S-<up> * <f7> C-S-<-right> * <f7> C-S-<-right> * <f7> C-S-<-left> * <f7> C-S-<-left></f7></f7></f7></f7></f7></f7></f7></f7></f7></f7></up></f11></down></f11></down></f11></down></f11></left></f11></left></f11></right></f11></right></f11></right></f11></up></f1></down></f1></down></f1></down></f1></left></f1></right></f1></up></down></left></right>	 pel-close-window-right) (pel-close-window-left) (pel-close-window-down) (pel-close-window-up) 	 Kill window pointed by the cursor's direction. The 4 different commands and shown in the same cell for convenience, one for each of the available cursors: ⟨right⟩, ⟨left⟩, ⟨down⟩ and ⟨up⟩. There are 4 possible sets of bindings: 3 sets of stand-alone commands: Commands with ⟨f11⟩ prefix, always available. Commands with ESC prefix, available when pel-windmove-on-esc-cursor user option is on (set to t). Commands with ⟨f1⟩ prefix, available when pel-windmove-on-f1-cursor user option is on (set to t). The Hydra-based commands, with the Hydra activated with any of the key sequences that use the ⟨f7⟩ prefix. Available when pel-use-hydra user option is set to t. 					
Kill current buffer and close window See also: Buffers	• C-x 4 0 * <f7> K</f7>	(kill-buffer-and-window)	Kill the current buffer and delete the selected window.					
Kill current buffer	* <f7> k</f7>	(pel-kill-current-buffer)	Kill current buffer and close window without prompting unless it is modified. Only available in the Hydra.					

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>	
Create Window			rrent one. The last row correspond to a set of four PEL commands bound to cursor keys.	
by splitting current window		minimize redisplay. Change tempora	oint is kept at the same vertical position in both windows (t, the default). If nil, Emacs adjust rily with: <f11> <f4> w s. Change permanently with: <f11> w <f3> 1 to access the</f3></f11></f4></f11>	
Toggle split window point behaviour	<f11> w <f4> s</f4></f11>	(pel-toggle-split-window-keep- point)	Toggle the value of split-window-keep-point between values described above. Print description of new value. Change only affects current Emacs session, not stored.	
Create new window below	• C-x 2 * <f7> 2</f7>	(split-window-below &optional SIZE)	Split current window into 2 windows. Leave point in top window. Same buffer in both. Optional SIZE numerical argument identify line count of top window (if positive) or bottom window (if negative).	
Create new window at right	• C-x 3 * <f7> 3</f7>	(split-window-right &optional SIZE)	Split current window into two side-by-side windows. Leave point in the left window. Same buffer in both. Optional SIZE numerical argument identify column count of left-hand window (if positive) or right-hand window (if negative).	
Create window at cursor direction	• ESC C- <right> • ESC C-<left> • ESC C-<down> • ESC C-<up> • <f1> C-<right> • <f1> C-<right> • <f1> C-<down> • <f1> C-<down> • <f1> C-<up> • <f11 c-<up=""> • <f11 c-<ipt=""> • <f11 c-<="" c-<ipt="" p=""> * <f7 c-<<p=""> * <f7 c-<<="" p=""> * <f7 c-<<="" p=""> * <f7 c-<<="" p=""> * <f7 c-<<="" p=""> * <f7 c-<<="" p=""></f7></f7></f7></f7></f7></f7></f7></f7></f7></f11></f11></f11></f11></f11></f11></f11></f11></f11></f11></f11></up></f1></down></f1></down></f1></right></f1></right></f1></up></down></left></right>	(pel-create-window-right & optional SIZE) (pel-create-window-left & optional SIZE) (pel-create-window-down & optional SIZE) (pel-create-window-up & optional SIZE)	Create a window at the location pointed by the cursor's direction, and move point inside the new window. • Optional SIZE numerical argument identify either: • line count of top window (if positive) or bottom window (if negative). • column count of left-hand window (if positive) or right-hand window (if negative). • The 4 different commands and shown in the same cell for convenience, one for each of the available cursors: <right>, <left>, <down> and <up>. • There are 4 possible sets of bindings: • 3 sets of stand-alone commands: • Commands with <f11> prefix, always available. • Commands with ESC prefix, ☑ available when pel-windmove-on-esc-cursor user option is on (set to t). • Commands with <f1> prefix, ☑ available when pel-windmove-on-f1-cursor user option is on (set to t). • The Hydra-based commands, with the Hydra activated with any of the key sequences that use the <f7> prefix. ☑ Available when pel-use-hydra user option is set to t.</f7></f1></f11></up></down></left></right>	
Create Side Windows			ndows positioned at any of the four sides of a frame's <i>root</i> window. ns the entire frame width under several vertically split windows.	
Create new side window that holds current buffer.	• <f11> w M-w * <f7> M-2 * <f7> M-4 * <f7> M-6 * <f7> M-8</f7></f7></f7></f7></f11>	(pel-buffer-in-side-window &optional N)	Place current buffer in a new, dedicated side window. • By default the side window is at the bottom of the current frame. • Use a numeric argument to specify a different side: For N= 2, 4, 6 or 8, select window pointed by what is pointed by cursor positioned at the layout of numeric keypad: 8 := 'top 4 := 'left 6 := 'right 2 := 'bottom	
Create Frame Root Windows	Available on Emacs 29.1 and later only. The PEL Windows Hydra has keys that provides access to this command in all Emacs versions, but for previous versions of Emacs the Hydra uses the split-window commands (listed above) instead.			
Split root window below	C-x w 2 * <f7> r</f7>	(split-root-window-below &optional SIZE)	Split root window of current frame in two. The current window configuration is retained in the top window, the lower window takes up the whole width of the frame. Optional SIZE numerical argument identify line count of top window (if positive) or bottom window (if negative).	
Split root window right	C-x w 3 * <f7> R</f7>	(split-root-window-right &optional SIZE)	Split root window of current frame into two side-by-side windows. The current window configuration is retained within the left window, and a new window is created on the right, taking up the whole height of the frame. Optional SIZE numerical argument identify column count of left-hand window (if positive) or right-hand window (if negative).	
Resize Window Quickly with windresize	Resize the current window quickly using the windresize command (mapped to <f11> w r by PEL). Requires the windresize external package. PEL activates it when pel-use-windresize user-option is set to t. The windresize command can be used while the PEL Window Hydra is active, taking over Hydra keys. Complete and return to Hydra with RET</f11>			
Resize Window interactively	<f11> w r</f11>	(windresize &optional INCREMENT)	Resize windows interactively using the following minor mode keys. • Use RET to complete or C-g to abort. Both exit the mode.	
Resize window using cursors	<pre>• <right> • <left> • <down> • <up></up></down></left></right></pre>	(windresize-right & optional N LEFT-BORDER FIXED-WIDTH) (windresize-left & optional N LEFT-BORDER FIXED-WIDTH) (windresize-down & optional N LEFT-BORDER FIXED-WIDTH) (windresize-up & optional N LEFT-BORDER FIXED-WIDTH)	Resize the current window in the direction of the used cursor. N is the number of lines by which moving borders.	
Resize windows using direction opposite to cursor	• C- <right> • C-<left> • C-<down> • C-<up></up></down></left></right>	(windresize-right-minus) (windresize-left-minus) (windresize-down-minus) (windresize-up-minus)	Same as the above commands but use the direction opposite to the cursor.	
Resize window bottom-right	/	(windresize-bottom-right)	Call 'windresize-right' and 'windresize-down' successively. In move-borders method, move the bottom-right edge of the window outwards. In resize-window method, enlarge the window horizontally and shrink it vertically.	
Resize window top- right	\	(windresize-up-right)	Call 'windresize-right' and 'windresize-up' successively. In move-borders method, move the upper-right edge of the window outwards. In resize-window method, enlarge the window both horizontally and horizontally.	
Resize window top- left	M-/	(windresize-up-left)	Call 'windresize-left' and 'windresize-up' successively. In move-borders method, move the upper-left edge of the window outwards. In resize-window method, shrink the window horizontally and enlarge it vertically.	
Resize window bottom-left	M-\	(windresize-bottom-left)	Call 'windresize-left' and 'windresize-up' successively. In move-borders method, move the bottom-left edge of the window outwards. In resize-window method, shrink the window both horizontally and vertically.	
Reposition window	• C-M- <right> • C-M-<left> • C-M-<down> • C-M-<up></up></down></left></right>	(windresize-right-fixed) (windresize-left-fixed) (windresize-down-fixed) (windresize-up-fixed)	Move the window to the direction identified by the cursor, keeping its width (or height) constant.	
Set window resize/ reposition increment step	i	(windresize-set-increment &optional N)	Set the window resize increment step value to N. Use a numeric argument prefix to set N interactively: For example: M-4 i sets the increment to 4.	
Increase the resize/ reposition increment step	+	(windresize-increase-increment &optional SILENT)	Increase the increment. • If SILENT is non-nil, don't output a message.	

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>	
Decrease the resize/reposition increment step	-	(windresize-decrease-increment &optional SILENT)	Decrease the increment. • If SILENT is non-nil, don't output a message.	
Negate resize/ reposition increment	~	(windresize-negate-increment &optional SILENT)	Negate the increment value. Changes the direction of window resize operations. • If SILENT is non-nil, don't output a message.	
Balance Windows	• = • C-x +	(windresize-balance-windows)	Balance window sizes.	
Delete current window	• 0 • C-x 0	(delete-window &optional WINDOW)	Delete current window L During my testing C-x 0 behaved like windresize-other-window instead. Should investigate. 0 works fine though.	
Delete other windows	• 1 • C-x 1	(windresize-delete-other- windows)	Delete other windows.	
Split window vertically	• 2 • C-x 2	(windresize-split-window- vertically)	Split window vertically. Creates 2 windows: one on top of the other.	
Split window horizontally	• 3 • C-x 3	(windresize-split-window- horizontally)	Split window horizontally. Creates 2 windows side by side.	
Save window configuration	s	(windresize-save-window-configuration)	Save the current window configuration in the ring.	
Restore window configuration	r	(windresize-restore-window-configuration)	Restore the previous window configuration in the ring.	
Move point to other adjacent window	M-S-<right></right>M-S-<left></left>M-S-<down></down>M-S-<up></up>	(windresize-select-right &optional ARG) (windresize-select-left &optional ARG) (windresize-select-down &optional ARG) (windresize-select-up &optional ARG)	Select the window identified by the cursor. If ARG is nil or zero, select the window relatively to the point position. If ARG is positive, select relatively to the top edge and select relatively to the bottom edge otherwise.	
Move point to other window	o	(windresize-other-window)	Select other window.	
Move point to previous window	р	(windresize-previous-window)	Select the previous window.	
Move point to next window	n	(windresize-next-window)	Select other window.	
Set window layout and exit windresize	• x • RET	(windresize-exit)	Keep this window configuration and exit 'windresize'.	
Cancel window layout and exit windresize	• q	(windresize-cancel-and-quit)	Cancel window resizing and quit 'windresize'. • Restore window layout used before the entry into windresize mode. • The layouts, are, however still available via winner-undo <f11> w p, with PEL.</f11>	
Resize Window Using the base Emacs commands	The following commands are used to change the current window size. Except when used inside the hydra, none of these commands are easy to re-type quickly. The best way to use them is to type them once and then use a repeat key: Emacs native repeat key is C-x z once and then repeat more by only typing 'z'. PEL also binds the <f5> key to repeat. PEL also provides the Window Hydra (described above) which can be started with one of the following commands using the <f7> prefix. Once the Hydra is entered, commands can be issued again without any prefix. Each of the first 5 commands below have 5 possible bindings: The Emacs default key binding using the C-x prefix. The commands with the default PEL <f11> prefix, always available. The commands with ESC prefix, available when pel-windmove-on-esc-cursor user option is on (set to t). The Hydra-based commands, activated with any of the key sequences that use the <f7> prefix. Available when pel-use-hydra user option is set to t.</f7></f11></f7></f5>			
Grow window taller	• C-x ^ • <f11> w s V • ESC M-<up> • <f1> M-<up> * <f7> V</f7></up></f1></up></f11>	(enlarge-window DELTA &optional HORIZONTAL)	Grow window taller by DELTA lines (defaults to 1), specify more with C-u n (or M- n) argument prefix. • See note above for availability of various bindings.	
Shrink window smaller	• <f11> w s v • ESC M-<down> • <f1> M-<down> * <f7> v</f7></down></f1></down></f11>	(shrink-window DELTA &optional HORIZONTAL)	Shrink height of window by DELTA lines (defaults to 1), specify more with C-u n (or M- n) argument prefix. • See note above for availability of various bindings.	
Grow windows wider	• C-x } • <f11> w s H • ESC M-<right> • <f1> M-<right> * <f7> H</f7></right></f1></right></f11>	(enlarge-window-horizontally DELTA)	Enlarge the current window horizontally. See note above for availability of various bindings.	
Shrink window narrower	• C-x { • <f11> w s h • ESC M-<left> • <f1> M-<left> * <f7> h</f7></left></f1></left></f11>	(shrink-window-horizontally DELTA)	Reduce the width of the current window. • See note above for availability of various bindings.	
Make all windows the same size	• C-x + • <f11> w s = • ESC <kp-5> • <f1> <kp-5> * <f7> =</f7></kp-5></f1></kp-5></f11>	(balance-windows & optional WINDOW-OR-FRAME)	Balance the sizes of windows of WINDOW-OR-FRAME. WINDOW-OR-FRAME is optional and defaults to the selected frame. If WINDOW-OR-FRAME denotes a frame, balance the sizes of all windows of that frame. If WINDOW-OR-FRAME denotes a window, recursively balance the sizes of all child windows of that window. See note above for availability of various bindings.	
Reduce current window size if buffer is smaller than window	• C-x - • <f11> w s -</f11>	(shrink-window-if-larger-than- buffer &optional WINDOW)	Shrink height of current window if its buffer doesn't need so many lines. More precisely, shrink window vertically to be as small as possible, while still showing the full contents of its buffer. Do not shrink window to less than 'window-min-height' lines. Do nothing if the buffer contains more lines than the present window height, or if some of the window's contents are scrolled out of view, or if shrinking this window would also shrink another window, or if the window is the only window of its frame.	

<u>Operation</u>	<u>Keystroke</u>	Function	<u>Note</u>		
Fit window size to current buffer's content	• C-x w - * <f7> .</f7>	(fit-window-to-buffer &optional WINDOW MAX-HEIGHT MIN-HEIGHT MAX-WIDTH MIN-WIDTH PRESERVE-SIZE)	Adjust size of WINDOW to display its buffer's contents exactly. WINDOW must be a live window and defaults to the selected one. If WINDOW is part of a vertical combination, adjust WINDOW's height. The new height is calculated from the actual height of the accessible portion of its buffer. The optional argument MAX-HEIGHT specifies a maximum height and defaults to the height of WINDOW's frame. The optional argument MIN-HEIGHT specifies a minimum height and defaults to 'window-min-height'. Both MAX-HEIGHT and MIN-HEIGHT are specified in lines and include mode and header line and a bottom divider, if any. If WINDOW is part of a horizontal combination and the value of the option 'fit-window-to-buffer-horizontally' is non-nil, adjust WINDOW's width. The new width of WINDOW is calculated from the maximum length of its buffer's lines that follow the current start position of WINDOW. The optional argument MAX-WIDTH specifies a maximum width and defaults to the width of WINDOW's frame. The optional argument MIN-WIDTH specifies a minimum width and defaults to 'window-min-width'. Both MAX-WIDTH and MIN-WIDTH are specified in columns and include fringes, margins, a scrollbar and a vertical divider, if any.		
Quick Window Layout Change	The following commands flip the layout of 2 windows: the current and <i>next</i> window between 2 horizontal windows to 2 vertical windows and vice versa.				
Flip 2 horizontal windows to 2 vertical ones	• <f11> w v * <f7> M-v</f7></f11>	(pel-2-vertical-windows)	Convert 2 horizontal windows into 2 vertical windows. Flip the orientation of the current window and its next one. The next window is placed at the right of the current window.		
Flip 2 vertical windows to 2 horizontal ones	• <f11> w h * <f7> M-h</f7></f11>	(pel-2-horizontal-windows)	Convert 2 horizontal windows into 2 horizontal windows. • Flip the orientation of the current window and its next one. • The next window is placed below the current one.		
Window Layout			vindow layout. Two packages are available . acs. PEL activates them when pel-use-winner user option is t.		
History Restore an earlier					
Restore an earlier window configuration	• C-c <left> • <f11> w p * <f7> p</f7></f11></left>	(winner-undo)	Switch back to an earlier window configuration saved by Winner mode. In other words, "undo" changes in window configuration.		
Restore a more recent window configuration	• C-c <right> • <f11> w n * <f7> n</f7></f11></right>	(winner-redo)	Restore a more recent window configuration saved by Winner mode.		
Save/Restore window layout	The sexternal <u>layout-restore</u> package. PEL activates it with <u>pel-use-restore-layout</u> user-option set to t. This associates layouts to buffers. This needs investigation work - <u>use caution</u> .				
Save Window layout	<f11> w 1 s</f11>	(layout-save-current)	Save the current layout, add a list of current layout to layout-configuration-alist.		
Restore Layout	<f11> w 1 r</f11>	(layout-restore &optional BUFFER)	Restore the layout related to the buffer BUFFER, if there is such a layout saved in 'layout-configuration-alist', and update the layout if necessary.		
Delete Layout	<f11> w l d</f11>	(layout-delete-current &optional BUFFER)	Delete the layout information from 'layout-configuration-alist' if there is an element list related to BUFFER.		
Open Buffer in another window		buffer name is using the input comp	ide another window. One command select (move point to) that window. The other does not. oletion method currently active (default, Ido, Helm,)		
Display buffer in other window, don't select the other window.	• C-x 4 C-o • <f11> w b</f11>	(ido-display-buffer) ———————————————————————————————————	Display a buffer in other window but don't select it.		
Select buffer in other window	• C-x 4 b • <f11> w B</f11>	(ido-switch-buffer-other-window)	Select buffer bufname in another window (switch-to-buffer-other-window). See <u>Select Buffer</u> .		
Dedicated Windows	Emacs windows can be dedicated to specific buffers in such a way that future windows operations do not affect the dedicated windows. The following commands help you manage dedicated windows.				
Show dedicated status of current window	<f11> w d ?</f11>	(pel-show-window-dedicated- status)	Display the dedicated status of the current window in the echo area (the minibuffer).		
Toggle dedicated status of current window	• <f11> w d d * <f7> d</f7></f11>	(pel-toggle-window-dedicated)	Toggle the dedicated status of the current window, changing a normal window into a dedicated one and a dedicated window into a normal one. Luse with care after learning about dedicated windows.		
Follow Mode	extra code as suggested by	the Emacs Wiki Scroll All Mode page	nmands to all visible windows. To support mouse wheel or scroll bar you need to implement e.		
Toggle follow-mode	Text in the first window goes to the bottom and then • <f11> w f</f11>	continues there.	 When Emacs follow-mode is used on 2 or more windows, these windows show the text of the same buffer spread across these windows that act as a one continuous stream. Follow mode is a minor mode that combines windows into one tall virtual window. This is accomplished by two main techniques: The windows always displays adjacent sections of the buffer. This means that whenever one window is moved, all the others will follow. (Hence the name Follow mode.) Should point (cursor) end up outside a window, another window displaying that point is selected, if possible. This makes it possible to walk between windows using normal cursor movement commands. Follow mode comes to its prime when used on a large screen and two or more side-by-side windows are used. The user can, with the help of Follow mode, use these full-height windows as though they were one. Toggle Follow mode. With a prefix argument ARG, enable Follow mode if ARG is positive, and 		
See also: <u>Scrolling</u>	• <f11> f</f11>		disable it otherwise.		

<u>Operation</u>	Keystroke Function		<u>Note</u>		
recentering in current window	The following 2 command do not move point, but reposition the text in the current window. These are quite useful as they can be used to refresh the view in the current window. See also: Navigation				
Position current line to window's Center / Bottom / Top. Refresh screen.	• C-1 • <f11> C-1 * <f7> 5</f7></f11>	(recenter-top-bottom &optional ARG)	Without argument: moves the current line to window: center -> top -> bottom. • With arg: centre first: • C-u C-1 C-1 C-1 C-1 • → center → bottom → center → top • With negative arg: bottom first: • C C-1 C-1 C-1 • → bottom → center → top • With arg 0: top first: • M-0 C-1 C-1 C-1 • → top → bottom → center • With numeric positive: move current line to window top position N • With negative numeric: move current line to bottom window position: -1 := last line • PEL provides the <f11> C-1 key binding because some modes use C-1 as a prefix key.</f11>		
Reposition comment/definition in full view	• C-M-1 • C-[C-1 • Esc C-1	(reposition-window &optional ARG)	Attempts to make the current comment or current definition fully visible by scrolling the lines without changing the point. • Further invocations move it to the top of the window or toggle the visibility of comments that precede it (by scrolling the lines).		

Windows - Reference

Topic/URL	Comment			
GNU Emacs — Displaying a Buffer in a Window	Describes the Emacs features related to displaying buffers inside windows.			
GNU Emacs Lisp — Displaying Buffers — The Zen of Buffer Display	Describes the rules Emacs tries to use to control the creation of new windows when they are created dynamically from commands.			