



Lispy — A specialized modal editing for Lisp code🔧🚧

Description	Key	Function	Note
<b>Lispy :</b> <b>Context-based modal editing of Lisp code</b>	<p>The lispy minor mode provides modal editing to Emacs for Lisp-like languages.</p> <ul style="list-style-type: none"><li>Lisp is a very structured programming language, made of succession and combinations of S-expressions (“sexp”): lists that start with ( and end with ) <b>“paren”</b>. Lispy takes advantage of the structure of Lisp code.</li><li>As long as point (the cursor) is before the left, opening, paren or after the right, closing paren, <b>the keys are interpreted as lispy commands</b>.<ul style="list-style-type: none"><li>Keys in other locations are interpreted as usual.</li></ul></li></ul> <p>This table lists the lispy command keys, with links to the <a href="#">Lispy function Reference</a> for each one.</p> <p>📦 This requires the <a href="#">lispy</a> external package. 📦 PEL downloads, installs and activates lispy when the <b>pel-use-lispy</b> user option is set to t.</p> <p>👤👉 To get lispy mode run when Emacs visits a file of a specified mode, include the major mode in the PEL user-option <b>pel-modes-activating-lispy</b> .<ul style="list-style-type: none"><li>PEL does not activate lispy for any major mode by default. That’s OK to learn lispy by activating it for testing. But once you learn and are comfortable with it you will want to activate when the file is opened automatically by adding the major mode in that list.</li></ul></p>		
<a href="#">Customize</a> PEL use of Lispy and Lispy itself.	<b>&lt;f11&gt; &lt;f2&gt; SPC M-L</b>	<b>(pel-cfg-pkg-lisp &amp;optional OTHER-WINDOW)</b>	Prompt to customize: <ol style="list-style-type: none"><li>PEL lispy support for Emacs Lisp and Common Lisp</li><li>lispy itself.</li></ol> <ul style="list-style-type: none"><li>If OTHER-WINDOW is non-nil (use <b>C-u</b>), display in another window.</li></ul>
<b>Toggle Lispy mode</b> See also: <ul style="list-style-type: none"><li>📖 - Common Lisp</li><li>📖 - Emacs Lisp</li></ul>	<ul style="list-style-type: none"><li><b>&lt;f12&gt; M-L</b></li><li><b>&lt;M-f12&gt; M-L</b></li></ul> <b>&lt;f11&gt; SPC 1 M-L</b>	<b>(pel-lispy-mode &amp;optional ARG)</b>	Toggle lispy-mode on/off. Lispy is a minor mode for navigating and editing LISP dialects. 📦 <a href="#">Requires lispy external package</a> . 📦 PEL <a href="#">downloads, installs and configure it when pel-use-lispy user option is set to t</a> . Please read the information on <a href="#">lispy web site</a> . 📦 <b>pel-lispy-mode</b> calls <b>lispy-mode</b> but also prepares hydra, loaded dynamically with PEL. 👉 Set the <b>pel-modes-activating-lispy</b> user-option to activate lispy automatically for major modes.
<b>Getting Code Help</b>			
<b>Describe function at point</b>  See Also: <a href="#">Help/Info</a>	<ul style="list-style-type: none"><li><b>C-1</b></li></ul>   		

Description	Key	Function	Note
Move forward to end of list	j	(lisp <sup>y</sup> -forward ARG)	Move forward list ARG times or until error.
Move backward to beginning of list	[	(lisp <sup>y</sup> -backward ARG)	Move backward list ARG times or until error.
Move up current list • never exit current lis	k	(special-lisp <sup>y</sup> -up ARG)	Move up ARG times inside current list. • Guaranteed to never exit the list: <b>99k</b> moves to the first element of the current list. • Updates lisp <sup>y</sup> -back history. • Moves upward to previous to comment if issued from point at start of comment line (on the ; ;).
Move left outward	h	(special-lisp <sup>y</sup> -left ARG)	Move outside list backwards ARG times. Return nil on failure, t otherwise.
Move outside list forward	l	(special-lisp <sup>y</sup> -right ARG)	Move outside list forwards ARG times. • Parens in strings and comments are ignored. • Updates lisp <sup>y</sup> -back history.
Start knight hydra	The <a href="#">hydra</a> starts with <b>z</b> and stops with any key except <b>j</b> and <b>k</b> . Useful to navigate disregarding syntax since it can escape a list (which normal <b>j</b> and <b>k</b> won't do).		
	z	(special-lh-knight/body)	Start/Terminate the knight hydra
Move down left-most parens on each line	• zj • j	(lisp <sup>y</sup> -knight-down)	Move down left-most paren to the next line (can exit list)
Move up left-most parens on each line	• zk • k	(lisp <sup>y</sup> -knight-up)	Move up left-most paren to the previous line (can exit list)
Navigation History			
Move back	b	(special-lisp <sup>y</sup> -back ARG)	Move point to ARGth previous position in lisps-back history • If position isn't special, move to previous or error. • Lisp <sup>y</sup> back history updated by: <b>l</b> , <b>h</b> , <b>f</b> , <b>j</b> , <b>k</b> , <b>m</b> , <b>q</b> , and <b>i</b> .
View: center current sexp	v	(special-lisp <sup>y</sup> -view)	Recenter current sexp to be on the first line of the window. When called twice in a row, recenter back to the original position.
Visit another file  See: <a href="#">Σ Projectile</a>	V	(special-lisp <sup>y</sup> -visit ARG)	Visit another file within this project using <a href="#">projectile</a> or <a href="#">find-file-in-project</a> . • Customize <b>lisp<sup>y</sup>-visit-method</b> to select what function to use. <ul style="list-style-type: none"><li>•   PEL supports both of these external packages, and use the <b>pel-use-projectile</b> and <b>pel-use-find-file-in-project</b> user-options to download and activate each one. Unless you are familiar with <a href="#">find-file-in-project</a> you may find <a href="#">projectile</a> more useful and faster.</li></ul> • Use <b>V</b> to open the file in the current window. • Use <b>2V</b> to open the file in another window.
Search			
Occur search inside the current top-level sexp	y	(special-lisp <sup>y</sup> -occur)	Do an occur for the current top-level sexp. Go back-to-paren afterwards. This is useful e.g. to see where a particular variable is used within the current defun.
Goto Definition			
goto definition using directory tabgs	g	(special-lisp <sup>y</sup> -goto &optional ARG)	Jump to symbol within files <b>in current directory</b> . Prompt for symbol and jump to it. • When ARG isn't nil, call 'lisp <sup>y</sup> -goto-projectile' instead. • See <a href="#">lisp<sup>y</sup> goto wiki page</a> .
goto definition using projectile base directory	• Og • ogp	(lisp <sup>y</sup> -goto-projectile)	Jump to symbol within files in ('projectile-project-root').
goto definition in local file	G	(special-lisp <sup>y</sup> -goto-local &optional ARG)	Similar to lisp <sup>y</sup> -goto, but only current file's tags are used instead of whole directory's tags.
Follow: jump to definition	• F	(special-lisp <sup>y</sup> -follow)	When region is active jump to the definition of marked symbol. Otherwise jump to the definition of the first symbol in current sexp.
	• M- .	(lisp <sup>y</sup> -goto-symbol SYMBOL)	
Pop tag	• D	(special-pop-tag-mark)	Go back from where it came with Follow
	• M- ,	(pop-tag-mark)	
Narrow/Widening See also: <a href="#">Σ Narrowing</a>	• Narrowing hides everything in the buffer except the <a href="#">selected region, allowing work on that region alone</a> . • Widen it back to see the complete buffer again.		
Narrow current sexp   region	N	(special-lisp <sup>y</sup> -narrow ARG)	Narrow current sexp or region.
Widen	W	(special-lisp <sup>y</sup> -widen)	Widen back to see the complete buffer.
Cut/Paste/Mark/Hide/Indent			
Indent / hide/show outline	i	• With no active region: (special-lisp <sup>y</sup> -tab)  • With active region: (lisp <sup>y</sup> -mark-car)	• If inside outline: hide/show outline, • otherwise indent and prettify all code of current paren
mark car: select car of marked list	i	• With active region: (lisp <sup>y</sup> -mark-car)	Mark the car of currently active region. Moves point after the first symbol in the list. • Updates lisp <sup>y</sup> -back history.
Copy region or sexp to kill ring	n	(special-lisp <sup>y</sup> -new-copy)	Copy marked region or sexp to kill ring.
Mark list	m	(special-lisp <sup>y</sup> -mark-list ARG)	Mark the current sexp. If mark is already active, deactivate it instead. When ARG is more than 1, mark ARGth element. • Updates lisp <sup>y</sup> -back history.
Paste	P	(special-lisp <sup>y</sup> -paste ARG)	When region is active, replace it with current kill. Forward to yank otherwise. • When ARG is given, paste at that place in the current list.
Edit code			
undo	u	(special-lisp <sup>y</sup> -undo)	Deactivate region and 'undo'.
clone	c	(special-lisp <sup>y</sup> -clone ARG)	Clone sexp ARG times. • When the sexp is top level, insert an additional newline.

Description	Key	Function	Note
Toggle to the other mode	<b>o</b>	( <b>special-lispy-other-mode</b> &optional ARG)	Prefix to the following other verbs: key                    binding ---                    ----- SPC                    special-lispy-other-space g                        special-lispy-goto-mode h                        special-lispy-move-left j                        special-lispy-down-slurp k                        special-lispy-up-slurp l                        special-lispy-move-right
Teleport: move current sexp to Ace target	<b>t</b>	(special-lispy-teleport ARG)	Move current sexp to Ace target inside current function. • Use numerical argument to move that many sexp
	<b>tt</b>		Move current sexp to Ace target to any sexp inside current window.
Move current sexp to the left	<b>oh</b>		
Move current sexp inside first element of list below	<b>oj</b>		
Move current sexp to become last element of list above	<b>ok</b>		
Move current sexp to the right, outside current list	<b>ol</b>		
Raise: use current sexp as replacement for its parent	<b>r</b>	(special-lispy-raise ARG)	Use current sexp or region as replacement for its parent. • Do so ARG times.
Raise: current and next previous sexp as replacement for their parent	<b>R</b>	(special-lispy-raise-some)	Use current sexp and the following (if called from the left), or the preceeding (if called from the right) sexps, or the active region as replacement for their parent.
Move current sexp up	<b>w</b>	(special-lispy-move-up ARG)	Move current sexp or region up arg times. Don't exit the parent list. Also works for outlines.
Move sexp down in list	<b>s</b>	(special-lispy-move-down ARG)	Move current sexp or region down arg times. Don't exit the parent list. Also works for outlines.
Bind var: current sexp to let bound variable	<b>xb</b>		Transform the current list expression into a let-bound variable; iedit-mode is used to name the new variable. Use M-m to finish naming the variable.
Unbind a let bound variable	<b>xu</b>		Unbind a let-bound variable. Also works for Clojure.
turn current lambda into a defun	<b>xd</b>		
turn current defun into a lambda	<b>xl</b>		
turn nested if into cond	<b>xc</b>		
turn cond into nested if expressions	<b>xi</b>		
Inline current function or macro call	<b>xf</b>		Inline current function or macro call, i.e. replace it with function body. The function should be interned and its body find-able.
Convolute: Exchange the order of application of 2 closest outer forms	<b>C</b>		Exchange the order of application of two closest outer forms, relative to current expression or region.
Slurp: grow either current sexp or region	<b>&gt;</b>	(special-lispy-slurp ARG)	Grow either current sexp or region (if it's active) in appropriate direction. Opposite of lispy-barf. • With an arg of 0, grow as far as possible. • With an arg of -1, grow until the end of the line where the current sexp ends or as far as possible before that position.
Barf: shrink either current sexp or region	<b>&lt;</b>	(special-lispy-barf ARG)	Shrink either current sexp or region (if it's active) in appropriate direction. Opposite of lispy-slurp.
Splice the current list into the parent list	<b>/</b>	(special-lispy-splice ARG)	Splice ARG sexp into the containing (parent) list. Move the point to the next list to splice in appropriate direction. If there are none within the parent list, move to the parent list in appropriate direction.
Move to Ace target symbol & erase to replace	<b>H</b>	(special-lispy-ace-symbol-replace ARG)	Jump to a symbol within the current sexp and delete it, leaving point at location to type the new symbol. • Sexp is obtained by exiting the list ARG times. • Calls lispy-ace-symbol and deletes the selected symbol.
Convert current sexp into multi-line	<b>M</b>	(special-lispy-alt-multiline &optional SILENT)	Spread current sexp over multiple lines. • When SILENT is non-nil, don't issue messages. • Especially useful on results of macroexpand.
Turn current sexp into one line	<b>O</b>	(special-lispy-online)	Turn current sexp into one line. • Move comments ahead of sexp.
Stringify current sexp	<b>S</b>	(special-lispy-stringify &optional ARG)	Transform current sexp into a string. • Quote newlines if arg isn't 1.
Outline operations			
Toggles on off org-mode-like outline	<b>I</b>		Toggles on/off an org-mode-like outline. • To make this work, lispy-mode will modify outline-regexp and outline-level-function for the current buffer while it's on.
Indent / hide/show outline	<b>i</b>	• With no active region: (special-lispy-tab)	If in outline: hide/show outline, otherwise indent all code of current paren • When region is active, call 'lispy-mark-car'.
Next outline level	<b>J</b>		Takes a numeric prefix arg and calls outline-next-visible-heading arg times or until past the last outline-regexp.
Previous outline level	<b>K</b>		Takes a numeric prefix arg and calls outline-previous-visible-heading arg times or until past the first outline-regexp.
Evaluate Code			
Eval last sexp	<b>e</b>	(special-lispy-eval ARG)	Eval last sexp. Display result in echo area. • When ARG is 2, insert the result as a comment.
Eval current region sexp. Insert result.	<b>E</b>		Eval current region or sexp. The result will be inserted in the current buffer after the evaluated expression.
Eval current sext & replace it at point	<b>xr</b>		

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Eval current sexp in the content of the of the other window	p		
EDebug current defun	xe		edebug current defun. Or cider-debug-defun-at-point for Clojure.
	2xe		2xe will eval current defun instead.
Debug - step in	xj		<ul style="list-style-type: none"> <li>Evaluate the arguments at the current function's call</li> <li>Jump to the function's definition</li> <li>Set the result of evaluation to the function's arguments</li> </ul>
EDebug stop	z		Does the same as q in edebug, except current function's arguments will be saved to their current values. <ul style="list-style-type: none"> <li>This allows to continue debugging with lisp<sup>y</sup>-eval (e) from edebug's current context.</li> <li>The advantage is that you can edit the code as you debug, as edebug puts your code in read-only mode.</li> </ul>
Execute Tests: run ert	xT		
Buffer/Region operations			
Store current buffer and region for further operation	xB		
Ediff regions	B		