Undo/Redo/Repeat/Command Prefix Arguments

| <u>Operation</u> | <u>Keystroke</u> | Function | <u>Note</u> | | | |
|---|--|--|--|--|--|--|
| Undo, Redo, Repeat Disable undo Undo changes | Emacs standard need to think at people this quid | ndard undo mechanism is powerful but unusual for users of other editors because: s standard undo command allows undoing an undo operation, providing redo capability. This comes with a complexity cost because the user to think about wether it wants to undo or redo and may need to type something just to change from undo to redo or vice-versa. For a lot of e this quickly becomes difficult to manage. 'for people that find it difficult to handle Emacs default undo, there are external packages that help for Emacs prior to 28. | | | | |
| Classic undo-redo Show undo-tree undo-propose goto-last change Repeat last command Command arguments Undo Reference | The external undo-tree package helps, but unfortunately it might lead to corrupted or lost data during complex undo/redo sequences. It provides 2 different command for undo and redo. The undo only undoes. And the commands maintain a tree of undo/redo operations that car be shown visually with the extra ability to select undo/redo history branches. The external undo-propose package is not as powerful but also helps showing the history of complex undo/redo sessions. The external vundo package provides a visual undo tree. | | | | | |
| O <u>Orido Reference</u> | Emacs 28 introduces the the undo-redo that allows using a simpler undo/redo similar to other systems. | | | | | |
| | activate use of the external <u>undo-tree</u> package. In the longer recommended due to potential data corruption. pel-use-undo-propose: activate use of the external <u>undo-propose</u> package. Use it only when using Classic Emacs undo. It can help learn it too! pel-use-simple-undo: activate use of undo-only and undo-redo instead of classic undo. Emacs >= 28 only. pel-use-vundo: activate use of the external <u>vundo</u> package. Emacs >= 28 only. Restrict undo to a region: One very interesting aspect of the Emacs undo system is that we can restrict it to an area of the buffer by first selecting a region and then performing the undo operation while the region is active/visible. Nothing outside the region will be affected by the undo commands. The undo actions outside of the marked region are not lost; once the there is no marked region further undo actions will undo changes in the text. C is normally bound to (undo) but the PEL setup sets it to (negative-argument) to help editing motion flow. M and C are also bound to | | | | | |
| | | | | | | |
| Last undated on | (negative-argument) for the same reasons, not to the undo or redo commands. | | | | | |
| Last updated on: Open this PDF <u>S Undo/</u> Redo/Repeat/Arg file | 2025-08-25 <f11> u <f1></f1></f11> | (pel-help-pdf &optional OPEN-WEB-PAGE) | Open the <u>Sundo/Redo/Repeat/Arg</u> local PDF. If the prefix argument (like C-u or M) is used, then opens the remote GitHub hosted raw PDF instead. If the pel-flip-help-pdf-arg user-option is set it's the other way around. | | | |
| ∑ Customize PEL undo control | <f11> u <f2></f2></f11> | (pel-customize-pel &optional OTHER- WINDOW) | Customize PEL undo support: undo, undo-propose, undo-tree and vundo. • If OTHER-WINDOW is non-nil (use C-u), display in other window. | | | |
| <u> ∑ Customize</u> Emacs undo control | <f11> u <f3></f3></f11> | (pel-customize-library &optional OTHER- WINDOW) | Customize Emacs undo support: undo, undo-propose, undo-tree, vundo (for Emacs >= 28). | | | |
| Show active undo status | <f11> u ?</f11> | (pel-undo-info &optional APEND) | Print values of undo//redo control variable and user-options in a *pel-undo-info* help-mode buffer. • Clear previous buffer content by default. Use prefix arg to append to buffer instead. • Use this to see the values of relevant user-options and buttons to gain access to their customization. | | | |
| Disabling Undo | Undo tracking is acti | vated by default but can be d | disabled and re-enabled. See <u>E File-mngt</u> for buffer reverting command to restore file's content in buffer. | | | |
| Disable undo in buffer | M-x buffer- disable-undo | (buffer-disable-undo &optional BUFFER) | Disable undo in current buffer. Deletes all previous undo information for that buffer if it previously existed. No effect if undo was previously disabled. Interactively it's not possible to pass an argument. | | | |
| Enable undo in buffer | M-x buffer- enable-undo | (buffer-enable-undo &optional BUFFER) | Enable undo recording in the current buffer. No effect if the undo was already recorded as its the case for all buffers except some (like the buffers that have a name that starts with a space). • Interactively it's not possible to pass an argument. | | | |
| Undoing Changes | PEL provides support for several external package and control that affect the behaviour of Emacs undo operation. See the options above. PEL adjust key bindings according to the package selected by customization. Use <f11> u <f2> to select the one you prefer.</f2></f11> | | | | | |
| Simple undo/redo | Since Emacs 28, undo-redo is available and complements the undo-only that was available since Emacs 22, allowing the use of undo/redo system more familiar to most people not already familiar with Emacs. | | | | | |
| Simple undo : pel-use-undo-tree = nil : pel-use-simple-undo = t : Emacs >= 28 | • C-/ • C-x u • M-u • C-z • s-z • %-z | (undo-only &optional ARG) | Undo some previous changes. Repeat this command to undo more changes. Anumeric ARG serves as a repeat count. Contrary to 'undo', this will not redo a previous undo. | | | |
| Simple redo : pel-use-undo-tree = nil : pel-use-simple-undo = t For Emacs >= 28 | • C-? • C-M • M-U • <f11> u r</f11> | (undo-redo &optional ARG) | Undo the last ARG undos, i.e., redo the last ARG changes. Interactively, ARG is the prefix numeric argument and defaults to 1. It undoes previous undo commands, but doesn't record itself as an undoable command, as opposed to the original undo (shown above). | | | |
| Classic Emacs Undo/Redo | Original/standard Emacs undo/redo system. As explained in Emacs Manual Undo section: "Any command other than an undo command breaks the sequence of undo commands. Starting from that moment, the entire sequence of undo commands that you have just performed are themselves placed into the undo record." • When <u>undo-tree</u> package is activated and used, it is possible to disable the undo-tree-mode globally or locally using the global-undo-tree-mode and <u>undo-tree-mode</u> commands. | | | | | |
| Undo : pel-use-undo-tree = nil : pel-use-simple-undo = nil : pel-use-vundo = nil t | • C-/ • C-x u • M-u • C-z • S-z | (undo &optional ARG) | Undo last changes using standard Emacs undo. Also used to undo an undo, causing a redo! • A numeric ARG serves as a repeat count. PEL uses it when the pel-use-undo-tree user option is nil (the default). solution of the image of the standard Emacs undo, please first read about it before using it. • It might seems strange at first to use the same key to undo and redo. | | | |
| Undo | • %-z • <f11> u u</f11> | (pel-undo &optional ARG) • (undo-tree-undo | Undo changes. Does not redo. • A numeric ARG serves as a repeat count. • In Transient Mark mode when the mark is active, only undo changes within the current region. | | | |
| : pel-use-undo-tree = t : pel-use-simple-undo = nil : pel-use-vundo = nil | | &optional ARG) • (undo &optional ARG) | Similarly, when not in Transient Mark mode, just C-u as an argument limits undo to changes within the current region. • C-/ only works in graphics mode • s-z and %-z only work in macOS graphic mode. Note: with PEL, %-z is s-z . | | | |
| | With PEL, when pel-use-undo-tree is t, this key is bound to pel-undo which uses undo-tree-undo by default. You can, however toggle the local or global undo-tree-mode by issuing the M-x global-undo-tree-mode or M-x undo-tree-mode. If the undo-tree-mode is not set in the buffer, PEL will use the Emacs standard undo command until the undo-tree-mode is re-enabled. | | | | | |
| Redo I | • M-U • <f11> u r • s-Z • %-Z</f11> | (pel-redo &optional ARG) • (undo-tree-redo &optional ARG) • (undo &optional ARG) | Redo changes. A numeric ARG serves as a repeat count. In Transient Mark mode when the mark is active, only redo changes within the current region. Similarly, when not in Transient Mark mode, just C - u as an argument limits redo to changes within the current region. S-Z and #-Z only works in graphics mode Note: with PEL, #-Z is s-Z. | | | |
| : pel-use-vundo = nil | You can, however | toggle the local or global und | is key is bound to pel-redo which uses undo-tree-redo by default. do-tree-mode by issuing the M-x global-undo-tree-mode or M-x undo-tree-mode. If the III use the Emacs standard undo command until the undo-tree-mode is re-enabled. | | | |

| | <u>Keystroke</u> | Function | | <u>Note</u> | | |
|--|---|--|--|--|--|--|
| Show undo tree | <f11> u v</f11> | (undo-tree-visualize) | Show undo tree of current buff The *undo tree* keys are: | fer. | | |
| | | | • <up>/<down></down></up> | : move up/down the undo tree nodes | | |
| : pel-use-undo-tree = t | | | <pre>• <right>/<left></left></right></pre> | : changes branch when at a branch root | | |
| pel-use-vundo = nil | | | • s | : toggle selection mode: normally moving restores right away, | | |
| | | | | this other mode allows you to move in the tree without changing the controlled buffer until RET is typed. | | |
| | | | • d | : shows diff between buffer and currently selected undo node!! | | |
| | | | • t | : toggles showing relative timestamp on undo nodes | | |
| | With PEL, this is available when pel-use-undo-tree is t but also while the global or local undo-tree-mode is active, which it should be unless you explicitly disabled one of these via the global-undo-tree-mode or undo-tree-mode commands. If that is the case, re-enable the undo-tree-mode and you | | | | | |
| 📦 🛃 | will be able to use th | | | sommands. If that is the edge, to shade the dilate floor mede and year | | |
| : pel-use-vundo = t | When pel-use-vundo is active (set to t), then the undo command is bound to <f11> u v</f11> | | | | | |
| For Emacs >= 28 | <f11> u v</f11> | (vundo) | Display visual undo for the cur | rent buffer. ics mode this is inside a pop-up window. For Emacs running in terminal | | |
| | | | | p or bottom (the default) of the Emacs window. It is customizable. | | |
| | While displaying the undo tree, you can use the cursor keys to navigate through the undo tree. | | | | | |
| | | | and the original buffer is upo Type RET to accept and sto | dated accordingly. p showing the undo tree. Also: | | |
| | | | • f to go forward | p drieting the dride treet rises. | | |
| | | | • b to go backward | | | |
| | | | • | ow when you at a branching point | | |
| | | | • p to go to the node abo | | | |
| | | | a to go back to the last | • • | | |
| | | | e to go forward to the e q to quit, you can also | · | | |
| | | | q to quit, you our aloo | ,,,po O g | | |
| Switch branch of undo tree | <f11> u x</f11> | (undo-tree-switch- branch BRANCH) | Switch to a different BRANCH This will affect which branch | of the undo tree. n to descend when *redoing* changes using 'undo-tree-redo'. | | |
| | ⊌ . With PEL, this | is available when pel-use- u | ındo-tree is t but also while the g | global or local undo-tree-mode is active, which it should be unless you | | |
| : pel-use-undo-tree = t : pel-use-vundo = nil | explicitly disabled one of these via the global-undo-tree-mode or undo-tree-mode commands. If that is the case, re-enable the undo-tree-mode and y will be able to use the command. | | | | | |
| undo-propose | undo-propose | windo-propose creates an undo history buffer where only undo key bindings to undo/redo are allowed. Use it to replay your undo and restore the | | | | |
| | buffer to a state that holds the text want to retrieve. You can then copy it back to the original (or another) buffer. Requires place-undo-propose to activate the external undo-propose package. | | | | | |
| Open a undo-propose | C-c u | (undo-propose) | | ose* buffer copy of the current buffer to navigate its undo history. | | |
| temporary buffer | | | Copies 'current-buffer' and undo commands. After finis | 'buffer-undo-list' to a new temporary buffer, which is read-only except for | | |
| - undo if inside Undo- | | | • C-c C-c to accept the | 9. 7. | | |
| Propose buffer | | | | iffer but squash the undo's into a single edit event event. | | |
| | | | To cancel, type C-c C-k To view an ediff type C-c C | '-A | | |
| | | | | oose' buffer, this will simply call 'undo'. | | |
| Goto Last Change | This requires the | goto-last-change.el packa | ge. 🛂 Under PEL set the pel-us | e-goto-last-change user option to activate this. | | |
| Goto last change | • <f11> u \</f11> | (goto-last-change | | last change in the current buffer. | | |
| | • C-x C-\ • <f6> \</f6> | &optional MARK-POINT MINIMAL-LINE- DISTANCE) | | to the position of the previous change. 'g MARK-POINT non-nil), set mark so C-x C-x will return point to the | | |
| Repeat Command | The following comm | ands can repeat the last con | nmand and show | | | |
| Repeat last operation | • C-x z | (repeat REPEAT-ARG) | Repeat most recently executed | | | |
| | • <f5></f5> | | With a prefix argument, support the same prefix argument it | ply a prefix argument to that command. Otherwise, give the command was given before, if any. | | |
| | | | | orm repeat, once one C-x z has been typed for the first repeat, type z | | |
| | | | | \mathbf{z} continuously continue to repeat last command (any command, even | | |
| | | | undo). • PEL provides the <f5></f5> key | to perform repeat. | | |
| Redo/edit last complex | • C-x Esc Esc | (repeat-complex- | · · · · · · · · · · · · · · · · · · · | olex command, or ARGth from last. | | |
| command executed | • C-x M-Esc | command ARG) | A complex command is one | which used the minibuffer. The command is placed in the minibuffer as a | | |
| | • C-x M-: | | | sult is executed, repeating the command as changed. | | |
| | • C-x M-: | | | cangod or is not the most recent provious command it is added to the | | |
| | • C-x M-: | | | nanged or is not the most recent previous command it is added to the v. | | |
| | • C-x M-: | | front of the command historYou can use the minibuffer h | · | | |
| List command history See also: " Help | <f11> ? d H</f11> | (list-command-history) | front of the command histor You can use the minibuffer hersubmit. List history of commands that | y. The state of the mand M-p to get different commands to edit and used the minibuffer. | | |
| See also: <u>E Help</u> | <f11> ? d H</f11> | | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in t | y. nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he "Command History" buffer as a list of Emacs Lisp forms. | | |
| See also: <u>Nelp</u> Command | <f11> ? d H All Emacs keystroke</f11> | s are bindings to an Emacs | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in to | y. The state of the mand M-p to get different commands to edit and used the minibuffer. | | |
| See also: E Help Command Arguments | <f11> ? d H All Emacs keystroke</f11> | s are bindings to an Emacs | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in to command, a function that supporting key strokes before typing the Meta N, where N is a typed nu | y. nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he *Command History* buffer as a list of Emacs Lisp forms. ts interactive use. A lot of these commands have arguments. The user | | |
| See also: <u>E Help</u> Command Arguments Prefix repeat N time | <f11> ? d H All Emacs keystroke can provide these ar M-<number> Keystroke</number></f11> | s are bindings to an Emacs of guments by using the follow | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in the command, a function that supporting key strokes before typing the Meta N, where N is a typed nu N may be larger than 9: to p | nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he *Command History* buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. | | |
| See also: <u>E Help</u> Command Arguments Prefix repeat N time | <f11> ? d H All Emacs keystroke can provide these ar M-<number></number></f11> | s are bindings to an Emacs | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in to command, a function that supporting key strokes before typing the Meta N, where N is a typed nu N may be larger than 9: to pure the command of the | y. nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he "Command History" buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. In the interactive use in the interactive use in the interactive use in the interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. In the interactive use in the user is interactive use in the interaction in the user eneeded command using the keys listed below. In the interactive use in the user is interactive user in the interaction in the user is interactive user. In the interaction in the user is interactive user. In the user is interactive user is interactive user. In the user is interactive user is interactive user. In the user is interactive user is interactive user. In the user is interactive user is interactive user. In the user is interactive user is interactive user. In the user is interactive user is interactive user is interactive user. In the user is interactive user is int | | |
| See also: Note: The property of the property | <f11> ? d H All Emacs keystroke can provide these ar M-<number> Keystroke C-u <number> Keystroke</number></number></f11> | s are bindings to an Emacs of guments by using the follow (universal-argument) | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in the command, a function that supporting key strokes before typing the Meta N, where N is a typed nuent N may be larger than 9: to pure the command of the | nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he *Command History* buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user eneeded command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user eneeded command using the keys listed below. | | |
| See also: Note: The property of the property | <f11> ? d H All Emacs keystroke can provide these an M-<number> Keystroke C-u <number> Keystroke C-u <number></number></number></number></f11> | s are bindings to an Emacs of guments by using the follow (universal-argument) | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in to command, a function that supporting key strokes before typing the Meta N, where N is a typed nu N may be larger than 9: to p C-u N, where N is a typed nur Pressing C-u before execut For example, C-u 5 C-b information is just the fact the | nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he *Command History* buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user eneeded command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. The user eneeded command using the keys listed below. | | |
| See also: Note: The property in the property | <f11> ? d H All Emacs keystroke can provide these an M-<number> Keystroke C-u <number> Keystroke C-u C-u C-u C-u</number></number></f11> | s are bindings to an Emacs of guments by using the follow (universal-argument) (universal-argument) | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in the command, a function that supporting key strokes before typing the Meta N, where N is a typed nuthous N may be larger than 9: to pure the C-u N, where N is a typed nuthous Pressing C-u before executher For example, C-u 5 C-b information is just the fact the C-u alone stands for a flag, or C-u C-u means 4*4 = 16 | nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he *Command History* buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. In the interactive use is a list of Emacs Lisp forms. In the interactive use is a list of Emacs Lisp forms. In the user e needed command using the keys listed below. In the interactive use is a list of Emacs Lisp forms. In the user e needed command using the keys listed below. In the user e needed comman | | |
| See also: E Help Command Arguments Prefix repeat N time Repeat prefix Prefix repeat 4 times Prefix repeat 16 times Prefix repeat 64 times | <f11> ? d H All Emacs keystroke can provide these ar M-<number> Keystroke C-u <number> Keystroke C-u C-u C-u C-u C-u C-u C-u C-</number></number></f11> | s are bindings to an Emacs of guments by using the follow (universal-argument) (universal-argument) (universal-argument) (universal-argument) | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in the show list of command, a function that supporting key strokes before typing the show where N is a typed nure of the show where N is a typed n | nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he "Command History" buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. Imber, tells Emacs to repeat the next Keystroke operation N times. cass a numeric prefix of 23 Hold the Meta key then type 2 followed by 3. Imber, tells emacs to repeat the next operation N times. Iting a command is a way to pass extra information to that command. Immeans move the cursor left 5 characters. Sometimes the extra lat C-u was pressed. In a repeat factor of 4. | | |
| See also: Note: The property in the property | <f11> ? d H All Emacs keystroke can provide these an M-<number> Keystroke C-u <number> Keystroke C-u C-u C-u C-u</number></number></f11> | s are bindings to an Emacs of guments by using the follow (universal-argument) (universal-argument) | front of the command histor You can use the minibuffer heresubmit. List history of commands that Show list of commands in the show list of commands in the command, a function that supporting key strokes before typing the strokes before typing the shown of the show | nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he "Command History" buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. Imber, tells Emacs to repeat the next Keystroke operation N times. coass a numeric prefix of 23 Hold the Meta key then type 2 followed by 3. Imber, tells emacs to repeat the next operation N times. Iting a command is a way to pass extra information to that command. Immeans move the cursor left 5 characters. Sometimes the extra lat C-u was pressed. It a repeat factor of 4. | | |
| See also: New York Help Command Arguments Prefix repeat N time Repeat prefix Prefix repeat 4 times Prefix repeat 16 times Prefix repeat 64 times | <pre><f11> ? d H All Emacs keystroke can provide these ar M-<number> Keystroke C-u <number> Keystroke C-u <cutoframe="color: blue;"="">cutoframe="color: blue;">cutoframe="color: blue;">cutoframe=</cutoframe="color:></number></number></f11></pre> | s are bindings to an Emacs of guments by using the follow (universal-argument) (universal-argument) (universal-argument) (universal-argument) | front of the command histor You can use the minibuffer hesubmit. List history of commands that Show list of commands in the command, a function that supporting key strokes before typing the Meta N, where N is a typed nuther N may be larger than 9: to pure to pure the command. C-u N, where N is a typed nuther history of the command | nistory commands M-n and M-p to get different commands to edit and used the minibuffer. he "Command History" buffer as a list of Emacs Lisp forms. Its interactive use. A lot of these commands have arguments. The user e needed command using the keys listed below. Imber, tells Emacs to repeat the next Keystroke operation N times. cass a numeric prefix of 23 Hold the Meta key then type 2 followed by 3. Imber, tells emacs to repeat the next operation N times. Iting a command is a way to pass extra information to that command. Immeans move the cursor left 5 characters. Sometimes the extra last C-u was pressed. In a repeat factor of 4. | | |

Undo - Reference

| <u>GNU EMacs Lisp Manual</u> — Command Overview | Describes that prior to executing a command Emacs runs undo-boundary to create undo boundary. |
|---|---|
| GNU Emacs Lisp Manual — Maintaining Undo Lists | Describes the standard Emacs undo mechanism. |
| Emacs undo-tree package | Author's we site, describes undo-tree. |