

## LFUN\_\_ACCENT\_\_ACUTE

**Action:** Adds an acute accent to the next character typed.

**Syntax:** accent-acute

## LFUN\_\_ACCENT\_\_BREVE

**Action:** Adds a breve accent to the next character typed.

**Syntax:** accent-breve

## LFUN\_\_ACCENT\_\_CARON

**Action:** Adds a caron to the next character typed.

**Syntax:** accent-caron

## LFUN\_\_ACCENT\_\_CEDILLA

**Action:** Adds a cedilla to the next character typed.

**Syntax:** accent-cedilla

## LFUN\_\_ACCENT\_\_CIRCLE

**Action:** Adds a circle accent to the next character typed.

**Syntax:** accent-circle

## LFUN\_\_ACCENT\_\_CIRCUMFLEX

**Action:** Adds a circumflex to the next character typed.

**Syntax:** accent-circumflex

## LFUN\_\_ACCENT\_\_DOT

**Action:** Adds a dot accent to the next character typed.

**Syntax:** accent-dot

## LFUN\_\_ACCENT\_\_GRAVE

**Action:** Adds a grave accent to the next character typed.

**Syntax:** accent-grave

## LFUN\_\_ACCENT\_\_HUNGARIAN\_\_UMLAUT

**Action:** Adds a Hungarian umlaut to the next character typed.

**Syntax:** accent-hungarian-umlaut

## LFUN\_\_ACCENT\_\_MACRON

**Action:** Adds a macron to the next character typed.

**Syntax:** accent-macron

## LFUN\_\_ACCENT\_\_OGONEK

**Action:** Adds an ogonek accent to the next character typed.

**Syntax:** accent-ogonek

## LFUN\_\_ACCENT\_\_TIE

**Action:** Adds a tie over the next two character typed.

**Notion:** The following char will finish the tie.

**Syntax:** accent-tie

## LFUN\_\_ACCENT\_\_TILDE

**Action:** Adds a tilde over the next character typed.

**Syntax:** accent-tilde

## LFUN\_\_ACCENT\_\_UMLAUT

**Action:** Adds an umlaut over the next character typed.

**Syntax:** accent-umlaut

## LFUN\_\_ACCENT\_\_UNDERBAR

**Action:** Adds a bar under the next character typed.

**Syntax:** accent-underbar

## LFUN\_\_ACCENT\_\_UNDERDOT

**Action:** Adds a dot under the next character typed.

**Syntax:** accent-underdot

## LFUN\_\_CAPTION\_\_INSERT

**Action:** Inserts a caption inset.

**Syntax:** caption-insert

**Origin:** Lgb, 18 Jul 2000

## LFUN\_\_DATE\_\_INSERT

**Action:** Inserts the current date.

**Syntax:** date-insert [<ARG>]

**Params:** <ARG>: Format of date. The default value (%x) can be set in Preferences->Date format.  
For possible formats see manual page of strftime function.

**Origin:** jdblair, 31 Jan 2000

## LFUN\_\_FOOTNOTE\_\_INSERT

**Action:** Inserts a footnote inset.

**Syntax:** footnote-insert

**Origin:** Jug, 7 Mar 2000

## LFUN\_\_ERT\_\_INSERT

**Action:** Inserts an ERT inset.

**Syntax:** ert-insert

**Origin:** Jug, 18 Feb 2000

## LFUN\_\_FLOAT\_\_INSERT

**Action:** Inserts a float inset.

**Syntax:** float-insert <TYPE>

**Params:** <TYPE>: type of float depends on the used textclass. Usually "algorithm", "table", "figure" parameters can be given.

**Origin:** Lgb, 27 Jun 2000

## LFUN\_FLOAT\_WIDE\_INSERT

**Action:** Inserts float insets as in LFUN\_FLOAT\_INSERT but span multiple columns.

**Notion:** Corresponds to the starred floats (figure\*, table\*, etc.) in L<sup>A</sup>T<sub>E</sub>X.

**Syntax:** float-wide-insert <TYPE>

**Params:** <TYPE>: type of float depends on the used textclass. Usually "algorithm", "table", "figure" parameters can be given.

**Origin:** Lgb, 31 Oct 2001

## LFUN\_FLOAT\_LIST\_INSERT

**Action:** Inserts the list of floats in the document.

**Syntax:** float-list-insert <TYPE>

**Params:** <TYPE>: type of float depends on the used textclass. Usually "algorithm", "table", "figure" parameters can be given.

**Origin:** Lgb, 3 May 2001

## LFUN\_WRAP\_INSERT

**Action:** Inserts floats wrapped by the text around.

**Syntax:** wrap-insert <TYPE>

**Params:** <TYPE>: table|figure

**Origin:** Dekel, 7 Apr 2002

## LFUN\_ARGUMENT\_INSERT

**Action:** Inserts an argument (short title) inset.

**Syntax:** argument-insert

**Origin:** vermeer, 12 Aug 2002

## LFUN\_NEWPAGE\_INSERT

**Action:** Inserts a new page.

**Syntax:** newpage-insert <ARG>

**Params:** <ARG>: <newpage|pagebreak|clearpage|cleardoublepage> default: newpage

**Origin:** uwestoehr, 24 Nov 2007

## LFUN\_MARGINALNOTE\_INSERT

**Action:** Inserts a marginal note.

**Syntax:** marginalnote-insert

**Origin:** Lgb, 26 Jun 2000

## LFUN\_UNICODE\_INSERT

**Action:** Inserts a single unicode character.

**Syntax:** unicode-insert <CHAR>

**Params:** <CHAR>: The character to insert, given as its code point, in hexadecimal.

**Sample:** unicode-insert 0x0100

**Origin:** Lgb, 22 Oct 2006

## LFUN\_LISTING\_INSERT

**Action:** Inserts a new listings inset.

**Syntax:** listing-insert

**Origin:** Herbert, 10 Nov 2001; bpeng, 2 May 2007

## LFUN\_\_PREVIEW\_\_INSERT

**Action:** Inserts a new preview inset.

**Syntax:** preview-insert

**Origin:** vfr, 28 Mar 2010

## LFUN\_\_TAB\_\_INSERT

**Action:** Insert a tab into a listings inset.

**Notion:** It also works on a selection.

**Syntax:** tab-insert

**Origin:** vfr, Sep 30 2008

## LFUN\_\_TAB\_\_DELETE

**Action:** Delete a tab or up to an equivalent amount of spaces from a listings inset.

**Notion:** It also works on a selection - it removes a tab or spaces from the beginning of each line spanned by the selection. This is useful if you want to indent/unindent multiple lines in one action.

**Syntax:** tab-delete

**Origin:** vfr, Sep 30 2008

## LFUN\_\_QUOTE\_\_INSERT

**Action:** Inserts quotes according to the type and quote-language preference.

**Notion:** Currently English, Swedish, German, Polish, French, Danish quotes are distinguished.

**Syntax:** quote-insert [<TYPE>]

**Params:** <TYPE>: 'single' for single quotes, otherwise double quotes will be used.

## LFUN\_\_INFO\_\_INSERT

**Action:** Displays shortcuts, lyxrc, package and textclass availability and menu information in a non-editable boxed InsetText.

**Notion:** Apart from lfun arguments you can use the following method:

1. input the type and argument of this inset, e.g. "menu paste", in the work area.
2. select the text and run info-insert lfun.

**Syntax:** info-insert <TYPE> <ARG>

**Params:** <TYPE>: shortcut[s]|lyxrc|lyxinfo|package|textclass|menu|buffer

<ARG>: argument for a given type. Look into InsetInfo.h for detailed description.

shortcut[s]: name of lfun (e.g. math-insert \alpha)

lyxrc: name of rc\_entry (e.g. bind\_file)

lyxinfo: "version" - used version of LyX

package: name of latex package (e.g. listings)

textclass: name of textclass (e.g. article)

menu: name of lfun used in menu

icon: icon of lfun used in toolbar

buffer: "name"|"path"|"class"|"vcs-tree-revision"|"vcs-revision"|"vcs-author"|"vcs-date"|"vcs-time"

**Sample:** command-sequence info-insert buffer path; info-insert buffer name

**Origin:** bpeng, 7 Oct 2007

## LFUN\_\_BRANCH\_\_INSERT

**Action:** Inserts branch inset.

**Syntax:** branch-insert <BRANCH-NAME>

**Origin:** vermeer, 17 Aug 2003

## LFUN\_BOX\_INSERT

**Action:** Inserts Box inset.

**Syntax:** box-insert [<TYPE>]

**Params:** <TYPE>: Boxed|Frameless|Framed|ovalbox|Ovalbox|Shadowbox|Shaded|Doublebox  
Framed is the default one.

**Origin:** vermeer, 7 Oct 2003

## LFUN\_FLEX\_INSERT

**Action:** Inserts CharStyle, Custom inset or XML short element.

**Notion:** Look into the Customization manual for more information about these elements.

To make this command enabled the layout file for the document class you're using has to load the character styles. There are a few contained in the Logical Markup module. You can also of course create some yourself.

For dissolving the element see LFUN\_INSET\_DISSOLVE.

**Syntax:** flex-insert Name

**Params:** Name: This name must be defined either in your layout file or imported by some module.  
The definition is InsetLayout Name or InsetLayout <Flex:Name>. The Flex: prefix is optional.

**Sample:** flex-insert Code

## LFUN\_SELF\_INSERT

**Action:** Inserts the given string (accordingly to the correct keymap).

**Notion:** Automatically replace the currently selected text. Depends on lyxrc settings "auto\_region\_delete".

**Syntax:** self-insert <STRING>

## LFUN\_SPACE\_INSERT

**Action:** Inserts one of horizontal space insets.

**Syntax:** space-insert <NAME> [<LEN>]

**Params:** <NAME>: normal, protected, thin, quad, qquad, enspace, enskip, negthinspace, hfill, hfill\*, dotfill, hrulefill, hspace, hspace\*

<LEN>: length for custom spaces (hspace, hspace\* for protected)

**Origin:** JSpitzm, 20 May 2003, Mar 17 2008

## LFUN\_HYPERLINK\_INSERT

**Action:** Inserts hyperlinks into the document (clickable in pdf output).

**Notion:** Hyperlink target can be set via selection + hyperlink-insert function.

**Syntax:** href-insert [<TARGET>]

**Origin:** CFO-G, 21 Nov 1997

## LFUN\_SPECIALCHAR\_INSERT

**Action:** Inserts various characters into the document.

**Syntax:** specialchar-insert <CHAR>

**Params:** <CHAR>: hyphenation, ligature-break, slash, nobreakdash, dots, end-of-sentence, menu-separator.

**Origin:** JSpitzm, 6 Dec 2007

## LFUN\_SCRIPT\_INSERT

**Action:** Inserts a subscript or superscript inset.

**Syntax:** script-insert <TYPE>

**Params:** <TYPE>: subscript|superscript

**Origin:** Georg, 23 Nov 2010

## LFUN\_\_APPENDIX

**Action:** Start (or remove) Appendix on the given cursor position.

**Syntax:** appendix

**Origin:** ettrich, 5 May 1998

## LFUN\_\_INDEX\_\_INSERT

**Action:** Inserts Index entry.

**Notion:** It automatically takes the word on the cursor position.

**Syntax:** index-insert [<TYPE:Name>]

**Params:** <TYPE:Name>: name of the index, if multiple indices are defined. with an empty argument, the default index is selected.

**Origin:** leeming, 3 Aug 2000

## LFUN\_\_INDEX\_\_PRINT

**Action:** Inserts list of Index entries on a new page.

**Syntax:** index-print [<TYPE:Name>]

**Params:** <TYPE:Name>: name of the index, if multiple indices are defined. with an empty argument, the default index is selected.

**Origin:** Lgb, 27 Feb 1997

## LFUN\_\_NOMENCL\_\_INSERT

**Action:** Inserts Nomenclature entry.

**Notion:** It automatically takes the word on the cursor position if no symbol is given.

**Syntax:** nomencl-insert [<SYMBOL>]

**Origin:** Ugras, 4 Nov 2006

## LFUN\_\_NOMENCLATURE\_\_PRINT

**Action:** Inserts list of Nomenclature entries.

**Syntax:** nomenclature-print

**Origin:** Ugras, 4 Nov 2006

## LFUN\_\_NOTE\_\_INSERT

**Action:** Inserts Note on the current cursor position, move selection inside the inset.

**Syntax:** note-insert [<TYPE>]

**Params:** <TYPE>: <Note|Greyedout|Comment> default: Note

## LFUN\_\_NOTE\_\_NEXT

**Action:** Moves the cursor to the beginning of next Note inset.

**Syntax:** note-next

## LFUN\_\_PHANTOM\_\_INSERT

**Action:** Inserts phantom on the current cursor position, move selection inside the inset.

**Syntax:** phantom-insert [<TYPE>]

**Params:** <TYPE>: <Phantom|HPhantom|VPhantom> default: Phantom

**Origin:** uwestoehr, 30 Jan 2009

## LFUN\_NEWLINE\_INSERT

**Action:** Inserts a line break or new line.

**Syntax:** newline-insert [<ARG>]

**Params:** <ARG>: <newline|linebreak> default: newline

**Origin:** JSpitzm, 25 Mar 2008

## LFUN\_ESCAPE

**Action:** Clears the selection. If no text is selected call LFUN\_FINISHED\_FORWARD. Inside math mode jumps out of the math inset.

**Syntax:** escape

**Origin:** Lgb, 17 May 2001

## LFUN\_DOWN

**Action:** Moves the cursor one line in downward direction.

**Syntax:** down

## LFUN\_UP

**Action:** Moves the cursor one line in upward direction.

**Syntax:** up

## LFUN\_DOWN\_SELECT

**Action:** Moves the cursor one line in downward direction adding the current position to the selection.

**Syntax:** down-select

## LFUN\_UP\_SELECT

**Action:** Moves the cursor one line in upward direction adding the current position to the selection.

**Syntax:** up-select

## LFUN\_SCREEN\_DOWN

**Action:** Moves the cursor one page in downward direction.

**Syntax:** screen-down

## LFUN\_SCREEN\_UP

**Action:** Moves the cursor one page in upward direction.

**Syntax:** screen-up

## LFUN\_SCREEN\_DOWN\_SELECT

**Action:** Moves the cursor one screen in downward direction adding the current position to the selection.

**Syntax:** screen-down-select

## LFUN\_SCREEN\_UP\_SELECT

**Action:** Moves the cursor one page in upward direction adding the current position to the selection.

**Syntax:** screen-up-select

## LFUN\_SCROLL

**Action:** Scroll the buffer view.

**Notion:** Only scrolls the screen up or down; does not move the cursor.

**Syntax:** scroll <TYPE> <QUANTITY>

**Params:** <TYPE>: line|page

<QUANTITY>: up|down|<number>

**Origin:** Abdel, Dec 27 2007

## LFUN\_SCREEN\_RECENTER

**Action:** Recenters the screen on the current cursor position.

**Syntax:** screen-recenter

## LFUN\_SCREEN\_SHOW\_CURSOR

**Action:** Repositions the screen such that the cursor is visible.

**Syntax:** screen-show-cursor

**Origin:** vfr, 25 Mar 2009

## LFUN\_CHAR\_BACKWARD

**Action:** Moves the cursor one position logically backwards.

**Notion:** This is not the action which should be bound to the arrow keys, because backwards may be left or right, depending on the language. The arrow keys should be bound to LFUN\_CHAR\_LEFT or LFUN\_CHAR\_RIGHT actions, which in turn may employ this one.

**Syntax:** char-backward

## LFUN\_CHAR\_BACKWARD\_SELECT

**Action:** Moves the cursor one position logically backwards, adding traversed position to the selection.

**Notion:** See also LFUN\_CHAR\_BACKWARD.

**Syntax:** char-backward-select

## LFUN\_CHAR\_DELETE\_BACKWARD

**Action:** Deletes one character in the backward direction (usually the "BackSpace" key).

**Syntax:** char-delete-backward

## LFUN\_CHAR\_DELETE\_FORWARD

**Action:** Deletes one character in the backward direction (usually the "Delete" key).

**Syntax:** char-delete-forward

## LFUN\_CHAR\_FORWARD

**Action:** Moves the cursor one position logically forward.

**Notion:** This is not the action which should be bound to the arrow keys, because forward may be left or right, depending on the language. The arrow keys should be bound to LFUN\_CHAR\_LEFT or LFUN\_CHAR\_RIGHT actions, which in turn may employ this one.

**Syntax:** char-forward

## LFUN\_CHAR\_FORWARD\_SELECT

**Action:** Moves the cursor one position logically forward, adding traversed position to the selection.

**Notion:** See also LFUN\_CHAR\_FORWARD.

**Syntax:** char-forward-select



## LFUN\_CHAR\_LEFT

**Action:** Moves the cursor one position "to the left".

**Notion:** This is the action which should be taken when the "left" key is pressed. Generally, it moves the cursor one position to the left. However, in Bidi text this become slightly more complicated, and there are different modes of cursor movement. In "visual mode", this moves left, plain and simple. In "logical mode", movement is logically forward in RTL paragraphs, and logically backwards in LTR paragraphs.

**Syntax:** char-left

## LFUN\_CHAR\_LEFT\_SELECT

**Action:** Moves the cursor one position "to the left", adding traversed position to the selection.

**Notion:** See also LFUN\_CHAR\_LEFT for exact details of the movement.

**Syntax:** char-left-select

## LFUN\_CHAR\_RIGHT

**Action:** Moves the cursor one position "to the right".

**Notion:** This is the action which should be taken when the "right" key is pressed. Generally, it moves the cursor one position to the right. However, in Bidi text this become slightly more complicated, and there are different modes of cursor movement. In "visual mode", this moves right, plain and simple. In "logical mode", movement is logically forward in LTR paragraphs, and logically backwards in RTL paragraphs.

**Syntax:** char-right

## LFUN\_CHAR\_RIGHT\_SELECT

**Action:** Moves the cursor one position "to the right", adding traversed position to the selection.

**Notion:** See also LFUN\_CHAR\_RIGHT for exact details of the movement.

**Syntax:** char-right-select

## LFUN\_WORD\_BACKWARD

**Action:** Moves the cursor to the logically previous beginning of a word.

**Notion:** This is not the action which should be bound to the arrow keys, because backwards may be left or right, depending on the language. The arrow keys should be bound to LFUN\_WORD\_LEFT or LFUN\_WORD\_RIGHT actions, which in turn may employ this one.

**Syntax:** word-backward

## LFUN\_WORD\_BACKWARD\_SELECT

**Action:** Moves the cursor to the logically previous beginning of a word, adding the logically traversed text to the selection.

**Notion:** See also LFUN\_WORD\_BACKWARD.

**Syntax:** word-backward-select

## LFUN\_WORD\_DELETE\_BACKWARD

**Action:** Deletes characters to the begining of the word (usually the "C+BackSpace" key).

**Syntax:** word-delete-backward

## LFUN\_WORD\_DELETE\_FORWARD

**Action:** Deletes characters to the end of the word (usually the "C+Delete" key).

**Syntax:** word-delete-forward

## LFUN\_WORD\_FIND\_FORWARD

**Action:** Search for a given string in forward direction.

**Notion:** Case sensitive, match words. If no argument given, last search repeated.

**Syntax:** word-find-forward [<STRING>]

**Origin:** Etienne, 16 Feb 1998

## LFUN\_WORD\_FIND\_BACKWARD

**Action:** Search for a given string in backward direction.

**Notion:** Case sensitive, match words. If no argument given, last search repeated.

**Syntax:** word-find-backward [<STRING>]

**Origin:** Etienne, 20 Feb 1998

## LFUN\_WORD\_FIND

**Action:** Search for next occurrence of a string.

**Syntax:** word-find [<DATA>]

**Params:** <DATA>: data encoded from Find dialog (see `lyx::find2string()`). If no parameter is given, search with last find-dialog data is used for search (i.e. find-next).

**Origin:** Andre, Jan 7 2004

## LFUN\_WORD\_REPLACE

**Action:** Replace a string in the document.

**Syntax:** word-replace [<DATA>]

**Params:** <DATA>: data is of the form "`<replace>`  
`<search>`  
`<casesensitive>` `<matchword>` `<all>` `<forward>`"

**Origin:** Andre, Jan 7 2004

## LFUN\_WORD\_FINDADV

**Action:** Search for next occurrence of a pattern.

**Syntax:** word-findadv [<DATA>]

**Params:** <DATA>: data encoded from FindAdv dialog (see `lyx::findadv2string()`). If no parameter is given, search with last find-dialog data is used for search (i.e. find-next).

**Origin:** Tommaso, Nov 15 2007

## LFUN\_WORD\_FORWARD

**Action:** Moves the cursor to the logically next beginning of a word.

**Notion:** This is not the action which should be bound to the arrow keys, because forward may be left or right, depending on the language. The arrow keys should be bound to LFUN\_WORD\_LEFT or LFUN\_WORD\_RIGHT actions, which in turn may employ this one.

**Syntax:** word-forward

## LFUN\_WORD\_FORWARD\_SELECT

**Action:** Moves the cursor to the logically next beginning of a word, adding the logically traversed text to the selection.

**Notion:** See also LFUN\_WORD\_FORWARD.

**Syntax:** word-forward-select

## LFUN\_WORD\_LEFT

**Action:** Moves the cursor to the next beginning of a word "on the left".

**Notion:** This is the action which should be taken when the (e.g., ctrl-) "left" key is pressed. Generally, it moves the cursor to the next beginning of a word on the left. However, in Bidi text this become slightly more complicated, and there are different modes of cursor movement. In "visual mode", this moves left, plain and simple. In "logical mode", movement is logically forward in RTL paragraphs, and logically backwards in LTR paragraphs.

**Syntax:** word-left

**Origin:** dov, 28 Oct 2007

## LFUN\_WORD\_LEFT\_SELECT

**Action:** Moves the cursor to the next beginning of a word "on the left", adding \*logically\* traversed text to the selection.

**Notion:** See also LFUN\_WORD\_LEFT for exact details of the movement.

**Syntax:** word-left-select

**Origin:** dov, 28 Oct 2007

## LFUN\_WORD\_RIGHT

**Action:** Moves the cursor to the next beginning of a word "on the right".

**Notion:** This is the action which should be taken when the (e.g., ctrl-) "right" key is pressed. Generally, it moves the cursor to the next beginning of a word on the right. However, in Bidi text this become slightly more complicated, and there are different modes of cursor movement. In "visual mode", this moves right, plain and simple. In "logical mode", movement is logically forward in LTR paragraphs, and logically backwards in RTL paragraphs.

**Syntax:** word-right

**Origin:** dov, 28 Oct 2007

## LFUN\_WORD\_RIGHT\_SELECT

**Action:** Moves the cursor to the next beginning of a word "on the right", adding \*logically\* traversed text to the selection.

**Notion:** See also LFUN\_WORD\_RIGHT for exact details of the movement.

**Syntax:** word-right-select

**Origin:** dov, 28 Oct 2007

## LFUN\_WORD\_SELECT

**Action:** Puts the word where the cursor stands into the selection.

**Syntax:** word-select

**Origin:** Andre, 11 Sep 2002

## LFUN\_WORD\_CAPITALIZE

**Action:** Capitalizes the words in the selection (i.e. the first letters) or the letter on the cursor position.

**Syntax:** word-capitalize

## LFUN\_WORD\_UPCASE

**Action:** Change the words in the selection or from the cursor position to the end of word to the upper case.

**Syntax:** word-upcase

## LFUN\_WORD\_LOWCASE

**Action:** Change the words in the selection or from the cursor position to the end of word to the lower case.

**Syntax:** word-lowercase

## LFUN\_SPELLING\_ADD

**Action:** Add the word under the cursor to the respective spell checker dictionary.

**Syntax:** spelling-add [<STRING>] [<LANG>]

**Params:** <WORD>: word to add <LANG>: language name (see file languages)

**Origin:** JSpitzm, 18 Jan 2010

## LFUN\_SPELLING\_IGNORE

**Action:** Let the spell checker ignore the word under the cursor in the current session for the given language.

**Syntax:** spelling-ignore [<WORD>] [<LANG>]

**Params:** <WORD>: word to ignore <LANG>: language name (see file languages)

**Origin:** JSpitzm, 18 Jan 2010

## LFUN\_SPELLING\_REMOVE

**Action:** Remove the word under the cursor from the respective spell checker dictionary.

**Syntax:** spelling-remove [<STRING>] [<LANG>]

**Params:** <WORD>: word to remove <LANG>: language name (see file languages)

**Origin:** SWitt, 28 July 2010

## LFUN\_THESAURUS\_ENTRY

**Action:** Look up thesaurus entries with respect to the word under the cursor.

**Syntax:** thesaurus-entry [<STRING>] [lang=<LANG>]

**Params:** <STRING>: word to look up <LANG>: language (see file languages)

**Origin:** Levon, 20 Jul 2001

## LFUN\_BUFFER\_BEGIN

**Action:** Move the cursor to the beginning of the document.

**Syntax:** buffer-begin

## LFUN\_BUFFER\_BEGIN\_SELECT

**Action:** Move the cursor to the beginning of the document adding the traversed text to the selection.

**Syntax:** buffer-begin-select

## LFUN\_BUFFER\_END

**Action:** Move the cursor to the end of the document.

**Syntax:** buffer-end

## LFUN\_BUFFER\_END\_SELECT

**Action:** Move the cursor to the end of the document adding the traversed text to the selection.

**Syntax:** buffer-end-select

## **LFUN\_\_INSET\_\_BEGIN**

**Action:** Move the cursor to the beginning of the current inset if it is not already there, or at the beginning of the enclosing inset otherwise

**Syntax:** inset-begin

**Origin:** lasgouttes, 16 Mar 2009

## **LFUN\_\_INSET\_\_BEGIN\_\_SELECT**

**Action:** Move the cursor to the beginning of the current inset if it is not already there, or at the beginning of the enclosing inset otherwise (adding the traversed text to the selection).

**Syntax:** inset-begin-select

**Origin:** lasgouttes, 16 Mar 2009

## **LFUN\_\_INSET\_\_END**

**Action:** Move the cursor to the end of the current inset if it is not already there, or at the end of the enclosing inset otherwise

**Syntax:** inset-end

**Origin:** lasgouttes, 16 Mar 2009

## **LFUN\_\_INSET\_\_END\_\_SELECT**

**Action:** Move the cursor to the end of the current inset if it is not already there, or at the end of the enclosing inset otherwise (adding the traversed text to the selection).

**Syntax:** inset-end-select

**Origin:** lasgouttes, 16 Mar 2009

## **LFUN\_\_INSET\_\_SELECT\_\_ALL**

**Action:** Selects all contents of an inset.

**Syntax:** inset-select-all

**Origin:** vfr, 22 Aug 2009

## **LFUN\_\_SECTION\_\_SELECT**

**Action:** Selects the whole section.

**Notion:** The cursor should be in a section heading before calling this lfun.

**Syntax:** section-select

**Origin:** vfr, 05 May 2009

## **LFUN\_\_LINE\_\_BEGIN**

**Action:** Move the cursor to the beginning of the (screen) line.

**Syntax:** line-begin

## **LFUN\_\_LINE\_\_BEGIN\_\_SELECT**

**Action:** Move the cursor to the beginning of the (screen) line adding the traversed text to the selection.

**Syntax:** line-begin-select

## **LFUN\_\_LINE\_\_END**

**Action:** Move the cursor to the end of the (screen) line.

**Syntax:** line-end

## LFUN\_\_LINE\_\_END\_\_SELECT

**Action:** Move the cursor to the end of the (screen) line adding the traversed text to the selection.

**Syntax:** line-end-select

## LFUN\_\_LINE\_\_DELETE

**Action:** Deletes the letters to the end of the (screen) line or deletes the selection.

**Syntax:** line-delete-forward

## LFUN\_\_COPY

**Action:** Copies to the clipboard the last edit.

**Syntax:** copy

## LFUN\_\_CUT

**Action:** Cuts to the clipboard.

**Syntax:** cut

## LFUN\_\_PASTE

**Action:** Pastes material (text or picture) from the active clipboard.

**Syntax:** paste [<TYPE>|<NUM>]

**Params:** <TYPE>: emf|pdf|png|jpeg|linkback|wmf

<NUM>: number of the selection in the internal clipboard stack to be pasted.

## LFUN\_\_CLIPBOARD\_\_PASTE

**Action:** Pastes text from the active clipboard.

**Syntax:** clipboard-paste [<ARG>]

**Params:** <ARG>: "paragraph" will cause pasting as one paragraph, i.e. "Join lines".

**Origin:** Georg, 10 Jul 2006

## LFUN\_\_PRIMARY\_\_SELECTION\_\_PASTE

**Action:** Pastes the currently selected text.

**Notion:** Primary selection mechanism is linux-only thing.

**Syntax:** primary-selection-paste [<ARG>]

**Params:** <ARG>: "paragraph" will cause pasting as one paragraph, i.e. "Join lines".

## LFUN\_\_SELECTION\_\_PASTE

**Action:** Pastes the the internal selection text in permanent selection.

**Notion:** Created in order to have middle mouse button pasting correct (bound to command-alternatives selection-paste ; primary-selection-paste paragraph).

**Syntax:** selection-paste

**Origin:** lasgouttes, 14 Jan 2009

## LFUN\_\_UNDO

**Action:** Undoes the last edit.

**Syntax:** undo

## LFUN\_\_REDO

**Action:** Redoes the last thing undone.

**Syntax:** redo

## LFUN\_REPEAT

**Action:** Repeat the given command.

**Syntax:** repeat <COUNT> <LFUN-COMMAND>

**Origin:** Andre, 27 Oct 2003

## LFUN\_CHARS\_TRANSPOSE

**Action:** Transposes the character at the cursor with the one before it.

**Syntax:** chars-transpose

**Origin:** Lgb, 25 Apr 2001

## LFUN\_DEPTH\_DECREMENT

**Action:** Decrease the nesting depth of the (selected) paragraph(s) inside lists.

**Syntax:** depth-decrement

## LFUN\_DEPTH\_INCREMENT

**Action:** Increase the nesting depth of the (selected) paragraph(s) inside lists.

**Syntax:** depth-increment

## LFUN\_FONT\_BOLD

**Action:** Toggles the bold font (selection-wise) using `mathbf` in math.

**Syntax:** font-bold

## LFUN\_FONT\_BOLDsymbol

**Action:** Toggles the bold font (selection-wise) using `boldsymbol` in math.

**Syntax:** font-boldsymbol

## LFUN\_FONT\_TYPEWRITER

**Action:** Toggles the typewriter family font (selection-wise).

**Syntax:** font-typewriter

## LFUN\_FONT\_UNDERLINE

**Action:** Toggles underline in the font (selection-wise).

**Syntax:** font-underline

## LFUN\_FONT\_UULINE

**Action:** Toggles double underline in the font (selection-wise).

**Syntax:** font-underunderline

**Origin:** sanda, 5 May 2009

## LFUN\_FONT\_UWAVE

**Action:** Toggles wavy underline in the font (selection-wise).

**Syntax:** font-underwave

**Origin:** sanda, 5 May 2009

## LFUN\_FONT\_STRIKEOUT

**Action:** Toggles strikeout (strike-through) in the font (selection-wise).

**Syntax:** font-strikeout

**Origin:** sanda, 3 May 2009

## LFUN\_FONT\_EMPH

**Action:** Toggles the emphasis font style (selection-wise).

**Syntax:** font-emph

## LFUN\_FONT\_NOUN

**Action:** Toggles Noun text style font (selection-wise).

**Syntax:** font-noun

## LFUN\_FONT\_ROMAN

**Action:** Toggles Roman family font (selection-wise).

**Syntax:** font-roman

## LFUN\_FONT\_SANS

**Action:** Toggles Sans Serif family font (selection-wise).

**Syntax:** font-sans

## LFUN\_FONT\_FRAK

**Action:** Toggles Fraktur family font (math-mode, selection-wise).

**Syntax:** font-frak

**Origin:** vermeer, 10 Jan 2002

## LFUN\_FONT\_ITAL

**Action:** Toggles Italics font shape (math-mode, selection-wise).

**Syntax:** font-ital

**Origin:** vermeer, 10 Jan 2002

## LFUN\_FONT\_DEFAULT

**Action:** Reverts the settings of the font to the default values (selection-wise).

**Syntax:** font-default

## LFUN\_FONT\_SIZE

**Action:** Sets font size according to lyx format string.

**Syntax:** font-size <SIZE>

**Params:** <SIZE>: tiny|scriptsize|footnotesize|small|normal|large|larger|largest|huge|giant|increase|decrease|default

## LFUN\_TEXTSTYLE\_APPLY

**Action:** Toggle user-defined (=last-time used) text style.

**Notion:** This style is set via LFUN\_TEXTSTYLE\_UPDATE, which is automatically triggered when using Text Style dialog.

**Syntax:** textstyle-apply

**Origin:** leeming, 12 Mar 2003



## LFUN\_TEXTSTYLE\_UPDATE

**Action:** Apply text style and update the settings to be used by LFUN\_TEXTSTYLE\_APPLY.

**Syntax:** textstyle-update <FONT\_INFO>

**Params:** <FONT\_INFO>: specifies font attributes, e.g. family, series, shape, size, emph, noun, underbar, number, color, language, toggleall.

Use lyx -dbg action for exact syntax of text-style dialog parameters.

**Origin:** leeming, 12 Mar 2003

## LFUN\_SCREEN\_FONT\_UPDATE

**Action:** Update fonts and its metrics.

**Notion:** Automatically called after zoom, dpi, font names, or norm change.

**Syntax:** screen-font-update

**Origin:** ARRae, 13 Aug 2000

## LFUN\_FONT\_STATE

**Action:** Returns the info about the current font.

**Syntax:** font-state

## LFUN\_CITATION\_INSERT

**Action:** Inserts citation from loaded citation database.

**Syntax:** citation-insert [<KEY>[<TEXT\_BEFORE>]]

**Params:** <KEY>: Citation (shortcut listed in available citations).

<TEXT\_BEFORE>: text which should appear before citation.

**Origin:** AAS, 97-02-23

## LFUN\_BIBTEX\_DATABASE\_ADD

**Action:** Adds database, which will be used for bibtex citations.

**Notion:** Databases are added to the first BibTeX inset (Inset->List/TOC->BibTeX bibliography) found from the cursor position.

**Syntax:** bibtex-database-add <DATABASE-NAME>

**Origin:** Ale, 30 May 1997

## LFUN\_BIBTEX\_DATABASE\_DEL

**Action:** Adds database, which will be used for bibtex citations.

**Notion:** Databases are deleted from the first BibTeX inset (Inset->List/TOC->BibTeX bibliography) found from the cursor position.

**Syntax:** bibtex-database-del <DATABASE-NAME>

**Origin:** Ale, 30 May 1997

## LFUN\_LAYOUT

**Action:** Sets the layout (that is, environment) for the current paragraph.

**Syntax:** layout <LAYOUT>

**Params:** <LAYOUT>: the layout to use

## LFUN\_LAYOUT\_PARAGRAPH

**Action:** Launches the paragraph settings dialog.

**Syntax:** layout-paragraph

## LFUN\_LAYOUT\_TABULAR

**Action:** Launches the tabular settings dialog.

**Syntax:** layout-tabular

**Origin:** Jug, 31 Jul 2000

## LFUN\_DROP\_LAYOUTS\_CHOICE

**Action:** Displays list of layout choices.

**Notion:** In the current (as of 2007) Qt4 frontend, this LFUN opens the dropbox allowing for choice of layout.

**Syntax:** drop-layouts-choice

## LFUN\_LAYOUT\_MODULES\_CLEAR

**Action:** Clears the module list.

**Notion:** Clears the list of included modules for the current buffer.

**Syntax:** layout-modules-clear

**Origin:** rgh, 25 August 2007

## LFUN\_LAYOUT\_MODULE\_ADD

**Action:** Adds a module.

**Notion:** Adds a module to the list of included modules for the current buffer.

**Syntax:** layout-module-add <MODULE>

**Params:** <MODULE>: the module to be added

**Origin:** rgh, 25 August 2007

## LFUN\_LAYOUT\_RELOAD

**Action:** Reloads layout information.

**Notion:** Reloads all layout information for the current buffer from disk, thus recognizing any changes that have been made to layout files on the fly. This is intended to be used only by layout developers and should not be used when one is trying to do actual work.

**Syntax:** layout-reload

**Origin:** rgh, 3 September 2007

## LFUN\_TEXTCLASS\_APPLY

**Action:** Sets the text class for the current buffer.

**Syntax:** textclass-apply <TEXTCLASS>

**Params:** <TEXTCLASS>: the textclass to set. Note that this must be the filename, minus the ".layout" extension.

## LFUN\_TEXTCLASS\_LOAD

**Action:** Loads information for a textclass from disk.

**Syntax:** textclass-load <TEXTCLASS>

**Params:** <TEXTCLASS>: the textclass to load. Note that this must be the filename, minus the ".layout" extension.

## LFUN\_MARK\_OFF

**Action:** Disable selecting of text-region.

**Syntax:** mark-off

## LFUN\_MARK\_ON

**Action:** Enable selecting of text-region.

**Notion:** After enabling you can simply move arrow keys to get selected region.

**Syntax:** mark-on

## LFUN\_MARK\_TOGGLE

**Action:** Toggle between LFUN\_MARK\_ON and LFUN\_MARK\_OFF .

**Syntax:** mark-toggle

**Origin:** Andre, May 5 2006

## LFUN\_MATH\_DELIM

**Action:** Inserts math delimiters (e.g. parentheses, brackets) enclosing expression.

**Syntax:** math-delim [<LEFT>] [<RIGHT>]

**Params:** <LEFT/RIGHT>: Delimiters to be used. Each delimiter can be specified by either a L<sup>A</sup>T<sub>E</sub>X name or a valid character. ( is the default letter.

**Sample:** math-delim { range

**Origin:** Alejandro, 18 Jun 1996

## LFUN\_MATH\_BIGDELIM

**Action:** Inserts math fixed size delimiters (e.g. parentheses, brackets) enclosing expression.

**Syntax:** math-bigdelim <LSIZE> <LDELIM> <RSIZE> <RDELIM>

**Params:** <L/RSIZE>: bigl/r|Bigl/r|biggl/r|Biggl/r

<L/RDELIM>: T<sub>E</sub>X code for delimiter. See Delimiter dialog for delimiters to be used.

**Sample:** math-bigdelim "Bigl" "\Downarrow" "Bigr" "\}"

**Origin:** Enrico & Georg, 7 May 2006

## LFUN\_MATH\_DISPLAY

**Action:** Creates a new displayed equation in text mode. Toggles inlined/display formula in math mode.

**Syntax:** math-display [<ARG>]

**Params:** <ARG>: this argument will be passed to LFUN\_MATH\_INSERT when creating new equation from the text mode.

**Origin:** Alejandro, 18 Jun 1996

## LFUN\_MATH\_INSERT

**Action:** Inserts math objects and symbols.

**Notion:** When <ARG> is a single math inset with more than one cell (such as "x<sub>y</sub><sup>z</sup>" or " $\frac{x}{y}$ "), the content of cell(0) is replaced by the current selection (only works if the selection is in mathed). As an example, if "abc" is selected in mathed, "math-insert  $\frac{x}{y}$ " replaces "abc" with " $\frac{abc}{y}$ ", and "math-insert x<sub>y</sub><sup>z</sup>" replaces "abc" with "abc<sub>y</sub><sup>z</sup>". If nothing is selected (or the selection is not in mathed), math-insert works as expected.

**Syntax:** math-insert <ARG>

**Params:** <ARG>: Symbol or L<sup>A</sup>T<sub>E</sub>X code to be inserted.

## LFUN\_MATH\_SUBSCRIPT

**Action:** Enters subscript expression in math expression.

**Syntax:** math-subscript

**Origin:** vermeer, 12 Dec 2001

## LFUN\_MATH\_SUPERSCRIPT

**Action:** Enters superscript expression in math expression.

**Syntax:** math-superscript

**Origin:** vermeer, 12 Dec 2001

## LFUN\_MATH\_LIMITS

**Action:** Toggles the position of the limits from above/below to the right side and vice versa in integral symbol, a limit, a summation, etc.

**Notion:** Put the cursor before the symbol with the limits and then invoke math-limits.

**Syntax:** math-limits [`<STATE>`]

**Params:** `<STATE>`: limits|nolimits

## LFUN\_MATH\_MACRO

**Action:** Inserts a math macro definition at the cursor position in the text.

**Syntax:** math-macro `<NAME>` [`<NARGS>`] [`def`]

**Params:** `<NAME>`: The name of the macro, e.g. "mymacro".

`<NARGS>`: The number of parameters of the macro. Default is 0. "def": Has no effect anymore, just for compatibility with former LyX versions.

**Origin:** ale, 10 May 1997; sts, 21 Dec 2007

## LFUN\_MATH\_MUTATE

**Action:** Mutates the type of math inset to the newly selected one.

**Syntax:** math-mutate `<TYPE>`

**Params:** `<TYPE>`: none|simple|equation|eqnarray|align|alignat|xalignat|xxalignat|multiline|gather|flalign

**Origin:** Andre, 23 May 2001

## LFUN\_MATH\_SPACE

**Action:** Inserts space into math expression.

**Notion:** Use spacebar after entering this space to change type of space.

**Syntax:** math-space [`<TYPE>`] [`<LEN>`]

**Params:** `<TYPE>`: negative spaces: !|negthinspace|negmedspace|negthickspace

positive spaces: ,|thinspace|:|medspace|;|thickspace|enskip|quad|qquad

custom space: hspace

", " used by default.

Note that ! is equivalent to negthinspace, , = thinspace, : = medspace, and ; = thickspace.

`<LEN>`: length for custom spaces (hspace)

**Origin:** Andre, 25 Jul 2001; sanda, 16 Jun 2008

## LFUN\_MATH\_MATRIX

**Action:** Inserts a matrix.

**Syntax:** math-matrix `<COLS>` `<ROWS>` [`<ALIGN>`]

**Params:** `<ALIGN>`: Alignment is a word composed of the vertical alignment (b, c or t) (i.e. 1 char) and the horizontal alignments (l, c or r) (i.e. `<COL>` chars).

**Sample:** math-matrix 3 3 bccc

## LFUN\_MATH\_AMS\_MATRIX

**Action:** Inserts a matrix.

**Syntax:** math-matrix `<COLS>` `<ROWS>` [`<DECORATION>`]

**Params:** `<DECORATION>`: Decoration determines the L<sup>A</sup>T<sub>E</sub>X name of the matrix that should be created.

**Sample:** math-ams-matrix 3 3 bmatrix

## LFUN\_MATH\_MODE

**Action:** In text mode enters math mode (i.e. puts math insets on the current cursor position), in math mode enters text mode inside math expression.

**Notion:** If there is some selected text, it puts the text inside created math box.

**Syntax:** math-mode [on|<ARG>]

**Params:** <ARG>: eventual argument (L<sup>A</sup>T<sub>E</sub>X code) is passed to LFUN\_MATH\_INSERT .  
"on": allow only entering of math mode from text mode.

**Origin:** Alejandro, 4 Jun 1996

## LFUN\_REGEX\_MODE

**Action:** Enters regexp mode (i.e., puts regexp insets on the current cursor position). Used by the advanced search dialog.

**Notion:** If there is any selected text, then it is moved inside the created regexp inset.

**Syntax:** regexp-mode [<ARG>]

**Params:** <ARG>: eventual argument (regular expression).

**Origin:** Tommaso, 4 Oct 2008

## LFUN\_MATH\_NUMBER\_LINE\_TOGGLE

**Action:** Toggles numbering of the current formula line.

**Notion:** Must be in display formula mode.

**Syntax:** math-number-line-toggle

**Origin:** Alejandro, 18 Jun 1996

## LFUN\_MATH\_NUMBER\_TOGGLE

**Action:** Toggles numbering/labeling of the current formula.

**Notion:** Must be in display formula mode.

**Syntax:** math-number-toggle

**Origin:** Alejandro, 4 Jun 1996

## LFUN\_MATH\_EXTERN

**Action:** Calls external program and passes the current expression/equation as an argument for the calculation in the format appropriate to the given language.

**Notion:** Selection can be used to determine the input for the external program.

**Syntax:** math-extern <LANG> [<COMMAND>]

**Params:** <LANG>: octave|maxima|maple|mathematica|script  
where "script" stands for the external script (normalized expression will be passed)

**Sample:** math-extern maple simplify

**Origin:** Andre, 24 Apr 2001

## LFUN\_MATH\_SIZE

**Action:** Changes arbitrarily the size used by math fonts inside a context.

**Notion:** Provides an interface to the L<sup>A</sup>T<sub>E</sub>X math mode font size commands.

**Syntax:** math-size <STYLE>

**Params:** <STYLE>: \displaystyle|\textstyle|\scriptstyle|\scriptscriptstyle

**Origin:** Alejandro, 15 Aug 1996; sanda, 14 Jun 2008

## LFUN\_MATH\_FONT\_STYLE

**Action:** Changes the text style used in math.

**Syntax:** math-font-style <STYLE>

**Params:** <STYLE>: mathnormal|mathcal|mathfrak|mathrm|mathsf|mathbf|textnormal|textrm|textsf|texttt|textbf|textmd|textit|textsc|textsl|textup

**Origin:** vfr, 9 jan 2009

## LFUN\_MATH\_MACRO\_UNFOLD

**Action:** Unfold a Math Macro.

**Notion:** Unfold the Math Macro the cursor is in, i.e. display it as `\foo`.

**Syntax:** math-macro-unfold

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_FOLD

**Action:** Fold a Math Macro.

**Notion:** Fold the Math Macro the cursor is in if it was unfolded, i.e. displayed as `\foo` before.

**Syntax:** math-macro-fold

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_ADD\_PARAM

**Action:** Add a parameter.

**Notion:** Add a parameter to a Math Macro.

**Syntax:** math-macro-add-param <NUM>

**Params:** <NUM>: The number of the parameter behind which the new one will be added (1 for the first, i.e. use 0 for add a parameter at the left), defaults to the last one.

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_REMOVE\_PARAM

**Action:** Remove the last parameter.

**Notion:** Remove the last parameter of a Math Macro and remove its value in all instances of the macro in the buffer.

**Syntax:** math-macro-remove-param <NUM>

**Params:** <NUM>: The number of the parameter to be deleted (1 for the first), defaults to the last one.

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_APPEND\_GREEDY\_PARAM

**Action:** Append a greedy parameter.

**Notion:** Append a greedy parameter to a Math Macro which eats the following mathed cell in every instance of the macro in the buffer.

**Syntax:** math-macro-append-greedy-param

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_REMOVE\_GREEDY\_PARAM

**Action:** Remove a greedy parameter.

**Notion:** Remove a greedy parameter of a Math Macro and spit out the values of it in every instance of the macro in the buffer. If it is an optional parameter the `[valud]` format is used.

**Syntax:** math-macro-remove-greedy-param

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_MAKE\_OPTIONAL

**Action:** Make a parameter optional.

**Notion:** Turn the first non-optional parameter of a Math Macro into an optional parameter with a default value.

**Syntax:** math-macro-make-optional

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_MAKE\_NONOPTIONAL

**Action:** Make a parameter non-optional.

**Notion:** Turn the last optional parameter of a Math Macro into a non-optional parameter. The default value is remembered to be reused later if the user changes his mind.

**Syntax:** math-macro-make-nonoptional

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_ADD\_OPTIONAL\_PARAM

**Action:** Add an optional parameter.

**Notion:** Insert an optional parameter just behind the already existing optional parameters.

**Syntax:** math-macro-add-optional-param

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_REMOVE\_OPTIONAL\_PARAM

**Action:** Remove the last optional parameter.

**Notion:** Remove the last optional parameter of a Math Macro and remove it in all the instances of the macro in the buffer.

**Syntax:** math-macro-remove-optional-param

**Origin:** sts, 06 January 2008

## LFUN\_MATH\_MACRO\_ADD\_GREEDY\_OPTIONAL\_PARAM

**Action:** Add a greedy optional parameter.

**Notion:** Add a greedy optional parameter which eats the value from the following cells in mathed which are in the [value] format.

**Syntax:** math-macro-add-greedy-optional-param

**Origin:** sts, 06 January 2008

## LFUN\_IN\_MATHMACROTEMPLATE

**Action:** Only active in Math Macro definition.

**Notion:** Dummy function which is only active in a Math Macro definition. It's used to toggle the Math Macro toolbar if the cursor moves into a Math Macro definition.

**Syntax:** in-mathmacrotemplate

**Origin:** sts, 06 January 2008

## LFUN\_PARAGRAPH\_MOVE\_DOWN

**Action:** Moves the current paragraph downwards in the document.

**Syntax:** paragraph-move-down

**Origin:** Edwin, 8 Apr 2006

## LFUN\_PARAGRAPH\_MOVE\_UP

**Action:** Moves the current paragraph upwards in the document.

**Syntax:** paragraph-move-up

**Origin:** Edwin, 8 Apr 2006

## LFUN\_PARAGRAPH\_UP

**Action:** Move the cursor to the next paragraph (or beginning of the current one) in upward direction.

**Syntax:** paragraph-up

**Origin:** Asger, 1 Oct 1996

## LFUN\_PARAGRAPH\_UP\_SELECT

**Action:** Move the cursor and select the text to the next paragraph (or beginning of the current one) in upward direction.

**Syntax:** paragraph-up-select

**Origin:** Asger, 1 Oct 1996

## LFUN\_PARAGRAPH\_DOWN

**Action:** Move the cursor to the next paragraph (or beginning of the current one) in downward direction.

**Syntax:** paragraph-down

**Origin:** Asger, 1 Oct 1996

## LFUN\_PARAGRAPH\_DOWN\_SELECT

**Action:** Move the cursor and select the text to the next paragraph (or beginning of the current one) in downward direction.

**Syntax:** paragraph-down-select

**Origin:** Asger, 1 Oct 1996

## LFUN\_PARAGRAPH\_GOTO

**Action:** Jump to a paragraph given by its id number and optionally the desired position within the paragraph.

**Notion:** Note that id number of paragraph is not the sequential number of paragraph seen on the screen. Moreover the id is unique for all opened buffers (documents).

**Syntax:** paragraph-goto <PAR\_ID\_NUMBER> <POSITION\_IN\_PAR>

**Params:** <PAR\_ID\_NUMBER>: paragraph id

<POSITION\_IN\_PAR>: desired position within the paragraph

**Origin:** Dekel, 26 Aug 2000

## LFUN\_BREAK\_PARAGRAPH

**Action:** Breaks the current paragraph at the current location.

**Notion:** Removes the selection.

**Syntax:** break-paragraph [<LAYOUT>]

**Params:** <LAYOUT>: "inverse" - decreases depth by one (or change layout to default layout) when the cursor is at the end of the line.

## LFUN\_PARAGRAPH\_PARAMS

**Action:** Change paragraph settings.

**Notion:** Modifies the current paragraph, or currently selected paragraphs. This function only modifies, and does not override, existing settings. Note that the "leftindent" indent setting is deprecated.

**Syntax:** paragraph-params [<INDENT>] [<SPACING>] [<ALIGN>] [<OTHERS>]

**Params:** <INDENT>: \noindent|\indent|\indent-toggle|\leftindent LENGTH

<SPACING>: \paragraph\_spacing default|single|onehalf|double|other SIZE

<ALIGN>: \align block|left|right|center|default

<OTHERS>: \labelwidthstring WIDTH|\start\_of\_appendix

**Origin:** rgh, Aug 15 2007



## LFUN\_PARAGRAPH\_PARAMS\_APPLY

**Action:** Change paragraph settings.

**Notion:** Overwrite all nonspecified settings to the default ones. Use paragraph-params lfun if you don't want to overwrite others settings.

**Syntax:** paragraph-params-apply <INDENT> <SPACING> <ALIGN> <OTHERS>

**Params:** For parameters see LFUN\_PARAGRAPH\_PARAMS

**Origin:** leeming, 30 Mar 2004

## LFUN\_PARAGRAPH\_UPDATE

**Action:** Updates the values inside the paragraph dialog from the paragraph.

**Notion:** This is internal LFUN, not to be used by users. Called internally by LFUN\_DIALOG\_UPDATE.

**Origin:** leeming, 13 Mar 2003

## LFUN\_OUTLINE\_UP

**Action:** Move the current group in the upward direction in the structure of the document.

**Notion:** The "group" can be Part/Chapter/Section/etc. It moves the whole substructure of the group.

**Syntax:** outline-up

**Origin:** Vermeer, 23 Mar 2006

## LFUN\_OUTLINE\_DOWN

**Action:** Move the current group in the downward direction in the structure of the document.

**Notion:** The "group" can be Part/Chapter/Section/etc. It moves the whole substructure of the group.

**Syntax:** outline-down

**Origin:** Vermeer, 23 Mar 2006

## LFUN\_OUTLINE\_IN

**Action:** Moves the current group in the downward direction in the hierarchy of the document structure.

**Notion:** Part -> Chapter -> Section -> etc.

**Syntax:** outline-in

**Origin:** Vermeer, 23 Mar 2006

## LFUN\_OUTLINE\_OUT

**Action:** Moves the current group in the upward direction in the hierarchy of the document structure.

**Notion:** Part <- Chapter <- Section <- etc.

**Syntax:** outline-out

**Origin:** Vermeer, 23 Mar 2006

## LFUN\_INSET\_EDIT

**Action:** Edit the inset at cursor with an external application, if one is attributed.

**Syntax:** inset-edit [<INSET\_PARAMS>]

**Params:** <INSET\_PARAMS>: Parameters for the inset.

Currently only the filename will be considered.

**Origin:** JSpitzm, 27 Apr 2006

## LFUN\_TABULAR\_INSERT

**Action:** Inserts table into the document.

**Notion:** See LFUN\_INSET\_MODIFY for some more details about tabular modifications.

**Syntax:** tabular-insert [<ROWS> <COLUMNS>]

**Params:** In case no arguments are given show insert dialog.

**Origin:** Jug, 12 Apr 2000

## LFUN\_CELL\_BACKWARD

**Action:** Moves the cursor to the previous cell inside the table.

**Syntax:** cell-backward

**Origin:** Jug, 22 May 2000

## LFUN\_CELL\_FORWARD

**Action:** Moves the cursor to the next cell inside the table.

**Syntax:** cell-forward

## LFUN\_CELL\_SPLIT

**Action:** Splits cell and shifts right part to the next cell (inside the math grid).

**Syntax:** cell-split

**Origin:** Ale, 15 May 1997

## LFUN\_VC\_REGISTER

**Action:** Register the document as an file inside version control system.

**Notion:** File is registered inside cvs, svn or rcs repository according to the existence of cvs/svn/rcs entries in the document's directory.

See LyX Additional Features Manual (Version Control Chapter) for additional information.

**Syntax:** vc-register

**Origin:** Lgb, 1 Jul 1997

## LFUN\_VC\_CHECK\_IN

**Action:** Checks-in/commits the changes of the registered file to the repository.

**Notion:** In RCS case this also unlocks the file.

**Syntax:** vc-check-in

**Origin:** Lgb, 1 Jul 1997

## LFUN\_VC\_CHECK\_OUT

**Action:** Checks-out the document for edit (and locks it in some cases).

**Syntax:** vc-check-out

**Origin:** Lgb, 1 Jul 1997

## LFUN\_VC\_REVERT

**Action:** Reverts the document to the last check-in/commit in VCS.

**Syntax:** vc-revert

**Origin:** Lgb, 1 Jul 1997

## LFUN\_VC\_UNDO\_LAST

**Action:** Undo last check-in.

**Notion:** This is currently implemented only for RCS.

**Syntax:** vc-check-out

**Origin:** Lgb, 1 Jul 1997

## LFUN\_VC\_COMMAND

**Action:** Executes external command. This command is intended to support additional VCS commands.

**Syntax:** vc-command <FLAG> <PATH> <COMMAND>

**Params:** <FLAG>: Flags for the command can be combined together.

U - dUmy - no flags

D - Doc - need document loaded to proceed

I - dIrty - mark document dirty

R - Reload - ensure that the document is saved and reload it after command execution

M - Message - ask for input string (commit message)

<PATH>: path where to start. \$\$p will be replaced by the current document path.

<COMMAND>: command to execute. \$\$i/\$\$p/\$\$m will be replaced by the current document(with absolute path)/path/message.

**Sample:** vc-command DR \$\$p "svn up"

**Origin:** sanda, 13 Jan 2009

## LFUN\_VC\_LOCKING\_TOGGLE

**Action:** Toggles the locking property of the edited file.

**Notion:** This is currently implemented only for SVN.

**Syntax:** vc-locking-toggle

**Origin:** sanda, 25 Jun 2009

## LFUN\_VC\_REPO\_UPDATE

**Action:** Update the local archive directory in which resides the current document with the remote repository.

**Syntax:** vc-repo-update

**Origin:** sanda, 16 Oct 2009

## LFUN\_VC\_COMPARE

**Action:** Compares two revisions of the same file under version control.

**Syntax:** vc-compare [<REV1>] [<REV2>]

**Params:** Revision number either points directly to commit in history or if negative number -x it points to (last commit - x).

In RCS we subtract only in the last number of revision specification. Special case "0" is reserved for the last committed revision.

<REV1>: Older file.

<REV2>: Newer file. Used only if REV1 > 0.

If no parameter is given, interactive dialog will be shown.

**Sample:** Compare current document against last commit

vc-compare 0

Compare current document against current revision - 5 commits

vc-compare -5

Compare revisions 120 and 155

vc-compare 120 155

**Origin:** sanda, 12 Feb 2010

## LFUN\_CHANGES\_TRACK

**Action:** Toggles change tracking to on/off.

**Syntax:** changes-track

**Origin:** levon, 1 Oct 2002

## LFUN\_CHANGES\_OUTPUT

**Action:** Toggles showing of change tracking in typesetted output.

**Syntax:** changes-output

**Origin:** jspitzm, 21 Jan 2005

## LFUN\_CHANGE\_NEXT

**Action:** Moves the cursor to the position of the next change of the change tracking records.

**Syntax:** change-next

**Origin:** schmitt, 4 Oct 2006

## LFUN\_CHANGE\_PREVIOUS

**Action:** Moves the cursor to the position of the previous change of the change tracking records.

**Syntax:** change-previous

**Origin:** vfr, 4 Apr 2009

## LFUN\_CHANGES\_MERGE

**Action:** Open change tracking dialog for merging and moves the cursor to the position of the next change.

**Syntax:** changes-merge

**Origin:** Levon, 16 Oct 2002

## LFUN\_CHANGE\_ACCEPT

**Action:** Accepts tracked change inside the selection.

**Syntax:** change-accept

**Origin:** Levon, 16 Oct 2002

## LFUN\_CHANGE\_REJECT

**Action:** Rejects tracked change inside the selection.

**Syntax:** change-reject

**Origin:** Levon, 16 Oct 2002

## LFUN\_ALL\_CHANGES\_ACCEPT

**Action:** Accepts all tracked changes in the document.

**Syntax:** all-changes-accept

**Origin:** Levon, 16 Oct 2002

## LFUN\_ALL\_CHANGES\_REJECT

**Action:** Rejects all tracked changes in the document.

**Notion:** Reject does not work recursively; the user may have to repeat the operation.

**Syntax:** all-changes-reject

**Origin:** Levon, 16 Oct 2002

## LFUN\_INSET\_APPLY

**Action:** Apply data for an inset.

**Notion:** LFUN\_INSET\_APPLY is sent from the dialogs when the data should be applied. This is either changed to LFUN\_INSET\_MODIFY or LFUN\_INSET\_INSERT depending on the context where it is called.

**Syntax:** inset-apply <ARGS>

**Params:** See LFUN\_INSET\_INSERT .

## LFUN\_INSET\_DISSOLVE

**Action:** Dissolve the current inset into text.

**Syntax:** inset-dissolve [`<INSET>`]

**Params:** `<INSET>`: this can be used to make sure the right kind of inset is dissolved. For example "dissolve" entry in the charstyles sub-menu should only dissolve the charstyle inset, even if the cursor is inside several nested insets of different type.

For values see `lyx::InsetLayout::lyxtype_`.

**Origin:** JSpitz, 7 Aug 2006

## LFUN\_INSET\_INSERT

**Action:** Insert new inset (type given by the parameters).

**Syntax:** inset-insert `<INSET>` `<ARGS>`

**Params:** `<INSET>`: `<bibitem|bibtex|cite|ert|listings|external|graphics|tabular|hyperlink|include|index|label|line|nomencl|vspace|ref|toc|script>`

`<ARGS>`: depends on the given inset. Use "lyx -dbg action" to explore.

**Sample:** inset-insert ref LatexCommand `<Format>` reference "`<label name>`"\end\_inset  
where `<label name>` is the name of the referenced label and `<Format>` is one of the following:

ref – `<reference>`

eqref – (`<reference>`)

pageref – `<page>`

vpageref – on `<page>`

vref – `<reference>` on `<page>`

formatted – Formatted reference

## LFUN\_INSET\_MODIFY

**Action:** Modify some properties of an inset.

**Notion:** Used for bibitem, bibtex, box, branch, command, ert, external, floats, graphics, include, index, info, label, listings, newline, newpage, nomencl, note, phantom, ref, space, tabular, vspace, wrap insets.

**Syntax:** inset-modify `<INSET>` `<ARGS>`inset-modify changetype `<TYPE>`inset-modify tabular `<FEATURE>` [`<ARG>`]

**Params:** Generally see LFUN\_INSET\_INSERT for further details.

In case that `<INSET>` is "tabular" various math-environment features are handled as well, e.g. add-vline-left/right for the Grid/Array environment.

`<FEATURE>`: `append-row|append-column|delete-row|delete-column|copy-row|copy-column|toggle-line-top|toggle-line-bottom|toggle-line-left|toggle-line-right|align-left|align-right|align-center|align-block|align-decimal|set-decimal-point|valign-top|valign-bottom|valign-middle|longtabular-align-left|longtabular-align-center|longtabular-align-right|m-align-left|m-align-right|m-align-center|m-valign-top|m-valign-bottom|m-valign-middle|multicolumn|set-all-lines|unset-all-lines|set-longtabular|unset-longtabular|set-pwidth|set-mpwidth|set-rotate-tabular|unset-rotate-tabular|toggle-rotate-tabular|set-rotate-cell|unset-rotate-cell|toggle-rotate-cell|set-usebox|set-lthead|unset-lthead|set-ltfirsthead|unset-ltfirsthead|set-ltfoot|unset-ltfoot|set-ltlastfoot|unset-ltlastfoot|set-ltnewpage|toggle-ltcaption|set-special-column|set-special-multicolumn|set-special-multirow|set-booktabs|unset-booktabs|set-top-space|set-bottom-space|set-interline-space|set-border-lines|tabular-valign-top|tabular-valign-middle|tabular-valign-bottom|set-tabular-width`

`<ARG>`: additional argument for some commands, use debug mode to explore its values.

**Sample:** inset-modify note Note Comment

inset-modify changetype Ovalbox

## LFUN\_INSET\_DIALOG\_UPDATE

**Action:** Updates the values inside the dialog from the inset.

**Notion:** This is internal LFUN, not to be used by users. Called internally by LFUN\_DIALOG\_UPDATE

**Params:** `<DIALOG-NAME>`

**Origin:** leeming, 25 Feb 2003

## LFUN\_INSET\_SETTINGS

**Action:** Open the inset's properties dialog.

**Notion:** Used for bibitem, bibtex, box, branch, citation, ert, external, float, graphics, href, include, index, index\_print, label, line, listings, note, phantom, ref, space, tabular, vspace, wrap insets.

**Syntax:** inset-settings <INSET>

**Params:** <INSET>: <bibitem|bibtex|box|branch|citation|ert|external|float|graphics|href|include|index|index\_print|label|line|listings|note|phantom|ref|space|tabular|vspace|wrap>.

## LFUN\_INSET\_TOGGLE

**Action:** Toggles the collapsable inset at cursor position, or the inset we are currently in.

**Syntax:** inset-toggle [<ARG>]

**Params:** <ARG>: <open|close|toggle|assign>.

open/close/toggle are for collapsable insets. toggle is used when no argument is given.

assign synchronize the branch-inset with activation status of the branch. Used for global toggling when changed activation.

**Origin:** lasgouttes, 19 Jul 2001

## LFUN\_INSET\_FORALL

**Action:** Apply the given commands on insets of a given name.

**Notion:** WARNING: use at your own risks; this function gives you too many ways of shooting yourself in the foot. A typical example is inset-forall Note note-insert which starts an infinite loop. This is mitigated by the fact that the number of actions is arbitrarily limited to 10000. Note also that inset-forall does not update metrics between iterations, which can lead to bugs. This has to be eventually fixed.

**Syntax:** inset-forall <NAME> <LFUN-COMMAND>

<NAME>: Type of Inset. If <NAME> is \*, all insets are matched. The name is used like for InsetLayout in layout files: "Note" matches all note insets, while "Note:Note" only matches LyX yellow note insets.

**Sample:** Remove all index insets:

inset-forall Index delete-char-forward

Close all Notes (also works for a particular branch, for example):

inset-forall Note inset-toggle close

Transform all yellow notes to comments

inset-forall Note:Note inset-modify note Note Comment

Try to put LyX in an infinite loop if there is at least a Note:

inset-forall Note char-backward

**Origin:** lasgouttes, 27 Nov 2009

## LFUN\_GRAPHICS\_RELOAD

**Action:** Reloads the image if necessary.

**Syntax:** graphics-reload

**Origin:** vfr, 10 Aug 2009

## LFUN\_SET\_GRAPHICS\_GROUP

**Action:** Set the group for the graphics inset on the cursor position.

**Syntax:** set-graphics-group [<GROUP>]

**Params:** <GROUP>: Id for an existing group. In case the Id is an empty string, the graphics inset is removed from the current group.

**Origin:** sanda, 6 May 2008

## LFUN\_FINISHED\_FORWARD

**Action:** Moves the cursor out of the current slice, going forward.

**Notion:** Cursor movement within an inset may be different than cursor movement in the surrounding text. This action should be called automatically by the cursor movement within the inset, when movement within the inset has ceased (reached the end of the last paragraph, for example), in order to move correctly back into the surrounding text.

## LFUN\_FINISHED\_BACKWARD

**Action:** Moves the cursor out of the current slice, going backwards.

**Notion:** See also LFUN\_FINISHED\_FORWARD.

## LFUN\_FINISHED\_RIGHT

**Action:** Moves the cursor out of the current slice, going right.

**Notion:** See also LFUN\_FINISHED\_FORWARD

## LFUN\_FINISHED\_LEFT

**Action:** Moves the cursor out of the current slice, going left.

**Notion:** See also LFUN\_FINISHED\_FORWARD.

## LFUN\_LANGUAGE

**Action:** Set language from the current cursor position.

**Syntax:** language <LANG>

**Params:** <LANG>: Requested language. Look in lib/languages for the list.

**Origin:** Dekel, 2 Mar 2000

## LFUN\_LABEL\_GOTO

**Action:** Goto a label.

**Syntax:** label-goto [<LABEL>]

**Params:** <LABEL>: Requested label. If no label is given and reference is on cursor position, Bookmark 0 is saved and cursor moves to the position of referenced label.

**Origin:** Ale, 6 Aug 1997

## LFUN\_LABEL\_INSERT

**Action:** Inserts label to text or displayed formula.

**Syntax:** label-insert [<LABEL>]

**Params:** <LABEL>: Requested label. If no label is given dialog requesting name will be opened.

## LFUN\_REFERENCE\_NEXT

**Action:** Go to the next label or cross-reference.

**Syntax:** reference-next

**Origin:** Dekel, 14 Jan 2001

## LFUN\_BOOKMARK\_GOTO

**Action:** Moves the cursor to the numbered bookmark, opening the file if necessary. Note that bookmarks are saved per-session, not per file.

**Notion:** Bookmark 0 has a special purpose. It is automatically set

1. to the paragraph you are currently editing
2. to the paragraph from where you are jumping to the last-edited position (jump-back feature)
3. when jumping from crossreference to the requested label by LFUN\_LABEL\_GOTO.

**Syntax:** bookmark-goto <NUMBER>

**Params:** <NUMBER>: the number of the bookmark to restore.

**Origin:** Dekel, 27 January 2001

## LFUN\_\_BOOKMARK\_\_SAVE

**Action:** Save a bookmark.

**Notion:** Saves a numbered bookmark to the sessions file. The number must be between 1 and 9, inclusive. Note that bookmarks are saved per-session, not per file.

**Syntax:** bookmark-save <NUMBER>

**Params:** <NUMBER>: the number of the bookmark to save.

**Origin:** Dekel, 27 January 2001

## LFUN\_\_BOOKMARK\_\_CLEAR

**Action:** Clears the list of saved bookmarks.

**Syntax:** bookmark-clear

**Origin:** bpeng, 31 October 2006

## LFUN\_\_HELP\_\_OPEN

**Action:** Open the given help file according to the language setting.

**Syntax:** help-open <FILE>[.lyx]

**Params:** <FILE>: any document from (/usr/share/)doc directory.

**Origin:** Jug, 27 Jun 1999

## LFUN\_\_LYX\_\_QUIT

**Action:** Terminates the current LyX instance.

**Notion:** Terminates the current LyX instance, asking whether to save modified documents, etc.

**Syntax:** lyx-quit

## LFUN\_\_TOOLBAR\_\_TOGGLE

**Action:** Toggles visibility of a given toolbar between on/off/auto.

**Notion:** Skipping "auto" when allowauto is false.

**Syntax:** toolbar-toggle <NAME> [allowauto]

**Params:** <NAME>: standard|extra|table|math|mathmacrotemplate|  
minibuffer|review|view/update|math\_panels|vcs| view-others|update-others

**Origin:** Edwin, 21 May 2007

## LFUN\_\_MENU\_\_OPEN

**Action:** Opens the menu given by its name.

**Syntax:** menu-open <NAME>

**Params:** <NAME>: menu name. See various .inc files in lib/ui for candidates.

## LFUN\_\_UI\_\_TOGGLE

**Action:** Various UI visibility-toggling actions.

**Syntax:** ui-toggle <statusbar|menubar|scrollbar|frame|fullscreen>

**Params:** statusbar : Toggle visibility of the statusbar.

menubar : Toggle visibility of the menubar.

scrollbar : Toggle visibility of the scrollbar.

frame : Toggle visibility of the frames around editing window.

fullscreen : Toggle fullscreen mode. This also covers calling the previous functions. However LFUN\_\_TOOLBAR\_\_TOGGLE for the custom tweaks of the toolbars should be used.

**Origin:** sanda, 9 Feb 2007



## LFUN\_WINDOW\_NEW

**Action:** Creates new empty LyX window.

**Notion:** Already opened documents from the previous window can be found under View menu.

**Syntax:** window-new [<GEOMETRY>]

**Params:** <GEOMETRY>: pass the geometry of the window. This parameter is currently accepted only on Windows platform.

**Origin:** Abdel, 21 Oct 2006

## LFUN\_WINDOW\_CLOSE

**Action:** Closes the current LyX window.

**Syntax:** window-close

**Origin:** Abdel, 23 Oct 2006

## LFUN\_SPLIT\_VIEW

**Action:** Creates another split view of current buffer.

**Notion:** All split views act in the same way independently.

**Syntax:** split-view <vertical|horizontal>

**Params:** horizontal : The work areas are laid out side by side.  
vertical : The work areas laid out vertically.

**Origin:** Abdel, 20 Feb 2008

## LFUN\_CLOSE\_TAB\_GROUP

**Action:** Close the current tab group.

**Notion:** This only closes the work areas, not the buffer themselves. The still opened buffers can be visualized in another tab group.

**Syntax:** close-tab-group

**Origin:** Abdel, 21 Feb 2008

## LFUN\_DIALOG\_SHOW

**Action:** Shows hidden dialog or create new one for a given function/inset settings etc.

**Syntax:** dialog-show <NAME> [<DATA>]

**Params:** <NAME>: aboutlyx|bibitem|bibtex|box|branch|changes|character|citation|compare|document|errorlist|ert|external|file|findreplace|findreplaceadv|float|graphics|href|include|index|index\_print|info|label|line|listings|log|mathdelimiter|mathmatrix|mathspace|nomenclature|nomencl\_print|note|paragraph|phantom|prefs|print|ref|sendto|space|spellchecker|symbols|tabular|tabularcreate|thesaurus|texinfo|toc|view-source|vspace|wrap|<SPECIAL>  
<SPECIAL>: latexlog|vclog

<DATA>: data, usually settings for the given dialog. Use debug mode for the details.

**Origin:** leeming, 17 Jun 2003

## LFUN\_DIALOG\_SHOW\_NEW\_INSET

**Action:** Shows hidden dialog or create new one for a given inset settings etc.

**Notion:** Internally uses LFUN\_DIALOG\_SHOW with processed data for a given inset.

**Syntax:** dialog-show-new-inset <NAME> [<DATA>]

**Params:** See LFUN\_DIALOG\_SHOW .

**Origin:** leeming, 25 Feb 2003

## LFUN\_DIALOG\_UPDATE

**Action:** Updates the dialog values from the inset/paragraph/document.

**Syntax:** dialog-update <NAME>

**Params:** <NAME>: paragraph|prefs|<INSET>  
<INSET>: inset name

**Origin:** leeming, 25 Feb 2003

## LFUN\_DIALOG\_HIDE

**Action:** Hides showed dialog. Counterpart to LFUN\_DIALOG\_SHOW .

**Syntax:** dialog-hide <NAME>

**Params:** See LFUN\_DIALOG\_SHOW .

**Origin:** leeming, 25 Feb 2003

## LFUN\_DIALOG\_TOGGLE

**Action:** Toggles dialog between showed/hidden state.

**Notion:** Internally uses LFUN\_DIALOG\_SHOW , LFUN\_DIALOG\_HIDE .

**Syntax:** dialog-toggle <NAME> [<DATA>]

**Params:** See LFUN\_DIALOG\_SHOW .

**Origin:** JSpitzm, 30 Apr 2007

## LFUN\_DIALOG\_DISCONNECT\_INSET

**Action:** Closes opened connection to opened inset.

**Notion:** Connection is used for apply functions.

**Syntax:** dialog-disconnect-inset <INSET-NAME>

**Origin:** leeming, 25 Feb 2003

## LFUN\_MOUSE\_PRESS

**Action:** This function is called when mouse button is pressed (inside workarea). Action depends on the context.

**Notion:** This is internal LFUN, not to be used by users.

**Origin:** Andre, 9 Aug 2002

## LFUN\_MOUSE\_DOUBLE

**Action:** This function is called when double click on mouse button is pressed (inside workarea). Action depends on the context.

**Notion:** This is internal LFUN, not to be used by users.

**Origin:** Andre, 9 Aug 2002

## LFUN\_MOUSE\_TRIPLE

**Action:** This function is called when triple click on mouse button is pressed (inside workarea). Action depends on the context.

**Notion:** This is internal LFUN, not to be used by users.

**Origin:** Andre, 9 Aug 2002

## LFUN\_MOUSE\_MOTION

**Action:** This function is called when mouse cursor is moving over the text. Action depends on the context.

**Notion:** This is internal LFUN, not to be used by users.

**Origin:** Andre, 9 Aug 2002

## LFUN\_MOUSE\_RELEASE

**Action:** This function is called when mouse button is released (inside workarea). Action depends on the context.

**Notion:** This is internal LFUN, not to be used by users.

**Origin:** Andre, 9 Aug 2002

## LFUN\_KEYMAP\_OFF

**Action:** Turn off the loaded keyboard map.

**Syntax:** keymap-off

## LFUN\_KEYMAP\_PRIMARY

**Action:** Turn on the primary keyboard map.

**Notion:** Maps were widely used in past, when X-windows didn't have nowadays keyboard support. They can be still used to maintain uniform keyboard layout across the various platforms.

The language is to be set in the Preferences dialog.

**Syntax:** keymap-primary

## LFUN\_KEYMAP\_SECONDARY

**Action:** Turn on the secondary keyboard map.

**Syntax:** keymap-secondary

## LFUN\_KEYMAP\_TOGGLE

**Action:** Toggles keyboard maps (first/second/off).

**Syntax:** keymap-toggle

**Origin:** leeming, 30 Mar 2004

## LFUN\_SERVER\_GET\_LAYOUT

**Action:** Returns the current layout (that is environment) name on the cursor position.

**Syntax:** server-get-layout

## LFUN\_SERVER\_GET\_FILENAME

**Action:** Returns path and file name of the currently edited document.

**Syntax:** server-get-filename

## LFUN\_SERVER\_GOTO\_FILE\_ROW

**Action:** Sets the cursor position in LyX based on the row number of generated TeX file.

**Notion:** This can be useful for DVI inverse-search or detection of the problematic line from L<sup>A</sup>T<sub>E</sub>X compilation. Note that before this function can be used export to L<sup>A</sup>T<sub>E</sub>X output must occur (in order to map the row numbers).

**Syntax:** server-goto-file-row <FILE[.ext]> <ROW\_NUMBER>

**Params:** <FILE>: the path and filename. Environment variables are expanded in the path. In case this LFUN does not work make sure you are giving correct path to the file.

If the file is located inside LyX temporary directory it will be mapped back into the appropriate opened buffer (e.g. for the case of generated .tex file).

.ext: extensions will be automatically replaced by .lyx.

<ROW\_NUMBER> The row number of the L<sup>A</sup>T<sub>E</sub>X file to which to go.

**Sample:** server-goto-file-row /home/user/example.lyx 41

server-goto-file-row /tmp/lyx\_tmpdir.XM3088/lyx\_tmpbuf0/example.tex 41

**Origin:** Edmar, 23 Dec 1998

## LFUN\_FORWARD\_SEARCH

**Action:** Sets the cursor position in the previewed (dvi/pdf) file based on the row number in LyX window.

**Notion:** The external program used for forward search call can be specified in LyX Output preferences. See Additional manual for details of these settings.

**Syntax:** forward-search

**Origin:** sanda, 14 Apr 2010

## LFUN\_SERVER\_NOTIFY

**Action:** Sends notify message about the last key-sequence to client.

**Notion:** This can be used to grab last key-sequence used inside the LyX window. See also Debug extensions section in Additional features manual.

**Syntax:** server-notify

## LFUN\_SERVER\_SET\_XY

**Action:** Sets the cursor position based on the editing area coordinates (similar as clicking on that point with left mouse button).

**Syntax:** server-set-xy <X> <Y>

## LFUN\_SERVER\_GET\_XY

**Action:** Returns the coordinates of cursor position in the editing area.

**Syntax:** server-get-xy

## LFUN\_BUILD\_PROGRAM

**Action:** Generates the code (literate programming).

**Notion:** Latex file with extension `\literate_extension` is generated. Then LyX invokes `\build_command` (with a default of "make") to generate the code and `\build_error_filter` to process the compilation error messages.

In case you want to process your literate file with a script, or some other program, just insert in your lyxrc file an entry with:

```
\build_command "my_script my_arguments"
```

The `\build_error_filter` differs from the `\literate_error_filter` only in that the former will identify error messages from your compiler.

**Syntax:** build-program

## LFUN\_BUFFER\_AUTO\_SAVE

**Action:** Saves the current buffer to a temporary file.

**Notion:** Saves the current buffer to a file named "`#filename#`". This LFUN is called automatically by LyX, to "autosave" the current buffer.

**Syntax:** buffer-auto-save

## LFUN\_BUFFER\_CHILD\_OPEN

**Action:** Loads the given child document.

**Notion:** The current document is treated as a parent.

**Syntax:** buffer-child-open <FILE>

**Params:** <FILE>: Filename of the child. The directory of the parent is assumed by default.

**Origin:** Ale, 28 May 1997

## LFUN\_BUFFER\_CHKTEX

**Action:** Runs chktex for the current document.

**Syntax:** buffer-chktex

**Origin:** Asger, 30 Oct 1997

## LFUN\_BUFFER\_TOGGLE\_COMPRESSION

**Action:** Toggles compression of the current document on/off.

**Syntax:** buffer-toggle-compression

**Origin:** bpeng, 27 Apr 2006

## LFUN\_BUFFER\_TOGGLE\_OUTPUT\_SYNC

**Action:** Toggles including of resources for forward/reverse search of the given document.

**Notion:** When toggled on, SyncTeX is invoked for PDF, while srcltx package is used for DVI. Custom  $\LaTeX$  macro can be defined in preferences.

**Syntax:** buffer-toggle-output-sync

**Origin:** sanda, 25 May 2010

## LFUN\_BUFFER\_CLOSE

**Action:** Closes the current buffer.

**Notion:** Closes the current buffer, asking whether to save it, etc, if the buffer has been modified.

**Syntax:** buffer-close

## LFUN\_BUFFER\_CLOSE\_ALL

**Action:** Closes all buffers.

**Notion:** Closes all buffers, asking whether to save it, etc, if a buffer has been modified.

**Syntax:** buffer-close-all

## LFUN\_BUFFER\_EXPORT

**Action:** Exports the current buffer (document) to the given format.

**Syntax:** buffer-export <FORMAT>

**Params:** <FORMAT> is either "custom" or one of the formats which you can find in Tools->Preferences->File formats->Format. Usual format you will enter is "pdf2" (pdflatex), "pdflatex" (plain tex for pdflatex) or "ps" for postscript.

In case of "custom" you will be asked for a format you want to start from and for the command that you want to apply to this format. Internally the control is then passed to LFUN\_BUFFER\_EXPORT\_CUSTOM.

**Origin:** Lgb, 29 Jul 1997

## LFUN\_BUFFER\_EXPORT\_CUSTOM

**Action:** Exports the current buffer (document) from the given format using the given command on it.

**Syntax:** buffer-export-custom <FORMAT> <COMMAND>

**Params:** <FORMAT> format to start from (LyX will care to produce such intermediate file).

<COMMAND> this command will be launched on the file. Note that you can use "\$FName" string to qualify the intermediate file.

**Sample:** buffer-export-custom dvi dvips -f \$FName -o myfile.ps

**Origin:** leeming, 27 Mar 2004

## LFUN\_BUFFER\_PRINT

**Action:** Prints the current document.

**Notion:** Many settings can be given via the preferences dialog.

**Syntax:** buffer-print <TARGET> <TARGET-NAME> <COMMAND>

**Params:** <TARGET> is either "printer" or "file".

<TARGER-NAME> is either "default" or file name or printer name.

<COMMAND> command ensuring the printing job.

**Sample:** buffer-print file "/trash/newfile1.ps" "dvips"

**Origin:** leeming, 28 Mar 2004

## LFUN\_BUFFER\_IMPORT

**Action:** Import a given file as a lyx document.

**Notion:** File can be imported iff lyx file format is (transitively) reachable via defined convertors in preferences. Look into File->Import menu to get an idea of the currently active import formats.

**Syntax:** buffer-import <FORMAT> [<FILE>]

**Origin:** Asger, 24 Jul 1998

## LFUN\_BUFFER\_NEW

**Action:** Creates a new buffer (that is, document).

**Notion:** Implicit path can be set in Preferences dialog.

**Syntax:** buffer-new [<FILE>]

**Params:** <FILE>: filename of created file with absolute path.

## LFUN\_BUFFER\_NEW\_TEMPLATE

**Action:** Creates a new buffer (that is, document) from a template.

**Notion:** Path for new files and templates can be set in Preferences dialog. Template will be asked for via Open-dialog.

**Syntax:** buffer-new-template [<FILE>]

**Params:** <FILE>: filename of created file with absolute path.

## LFUN\_BUFFER\_RELOAD

**Action:** Reverts opened document.

**Syntax:** buffer-reload

**Origin:** Asger, 2 Feb 1997

## LFUN\_BUFFER\_SWITCH

**Action:** Display/switch to the given buffer.

**Syntax:** buffer-switch <BUFFER>

**Params:** <BUFFER>: path and filename of already opened (but possibly hidden) document which is to be shown.

## LFUN\_BUFFER\_TOGGLE\_READ\_ONLY

**Action:** Toggle editing mode of the current document between read/write and read-only.

**Notion:** This function is not allowed if the file is under version control, since read-only flag is often used in version control file locking.

**Syntax:** buffer-toggle-read-only

**Origin:** Lgb, 27 May 1997

## LFUN\_BUFFER\_VIEW

**Action:** Displays current buffer in chosen format.

**Notion:** Displays the contents of the current buffer in the chosen format, for example, PDF or DVI. This runs the necessary converter, calls the defined viewer, and so forth.

**Syntax:** buffer-view [<FORMAT>]

**Params:** <FORMAT>: The format to display, where this is one of the formats defined (in the current GUI) in the Tools>Preferences>File Formats dialog. If no format is given, the default format as specified in the same dialog is used.

## LFUN\_BUFFER\_UPDATE

**Action:** Exports the current document and put the result into the temporary directory.

**Notion:** In case you are already viewing the exported document (see LFUN\_BUFFER\_VIEW) the output will be rewritten - updated. This is useful in case your viewer is able to detect such changes (e.g. ghostview for postscript).

**Syntax:** buffer-update [<FORMAT>]

**Params:** <FORMAT>: The format to display, where this is one of the formats defined (in the current GUI) in the Tools>Preferences>File Formats dialog. If no format is given, the default format as specified in the same dialog is used.

**Origin:** Dekel, 5 Aug 2000

## LFUN\_BUFFER\_WRITE

**Action:** Saves the current buffer.

**Notion:** Saves the current buffer to disk, using the filename that is already associated with the buffer, asking for one if none is yet assigned.

**Syntax:** buffer-write

## LFUN\_BUFFER\_WRITE\_AS

**Action:** Rename and save current buffer.

**Syntax:** buffer-write-as <FILENAME>

**Params:** <FILENAME>: New name of the buffer/file. A relative path is with respect to the original location of the buffer/file.

## LFUN\_BUFFER\_WRITE\_ALL

**Action:** Save all changed documents.

**Syntax:** buffer-write-all

**Origin:** rgh, gpothier 6 Aug 2007

## LFUN\_BUFFER\_NEXT

**Action:** Switch to the next opened document.

**Notion:** Note that this does not necessarily mean next in tabbar (for full list see View menu).

**Syntax:** buffer-next

## LFUN\_BUFFER\_PREVIOUS

**Action:** Switch to the previous opened document.

**Syntax:** buffer-previous

## LFUN\_MASTER\_BUFFER\_UPDATE

**Action:** When run from a child document, this updates (exports) document built from the master buffer, if available.

**Syntax:** master-buffer-update [<FORMAT>]

**Params:** <FORMAT>: The format to display, where this is one of the formats defined (in the current GUI) in the Tools>Preferences>File Formats dialog. If no format is given, the default format as specified in the same dialog is used.

**Origin:** Tommaso, 20 Sep 2007

## LFUN\_MASTER\_BUFFER\_VIEW

**Action:** When run from a child document, this command shows a preview built from the master buffer, if available.

**Syntax:** master-buffer-view [<FORMAT>]

**Params:** <FORMAT>: The format to display, where this is one of the formats defined (in the current GUI) in the Tools>Preferences>File Formats dialog. If no format is given, the default format as specified in the same dialog is used.

**Origin:** Tommaso, 20 Sep 2007

## LFUN\_BUFFER\_LANGUAGE

**Action:** Set language of the current document.

**Syntax:** buffer-language <LANG>

**Params:** <LANG>: language name. See lib/languages for list.

**Origin:** leeming, 30 Mar 2004

## LFUN\_BUFFER\_SAVE\_AS\_DEFAULT

**Action:** Save the current document settings as default.

**Notion:** The file will be saved into ~/.lyx/templates/defaults.lyx .

**Syntax:** buffer-save-as-default [<ARGS>]

**Params:** <ARGS>: contains the particular settings to be saved. They obey the syntax you can find in document header of usual .lyx file.

**Origin:** leeming, 30 Mar 2004

## LFUN\_BUFFER\_PARAMS\_APPLY

**Action:** Apply the given settings to the current document.

**Syntax:** buffer-params-apply [<ARGS>]

**Params:** <ARGS>: contains the particular settings to be saved. They obey the syntax you can find in document header of usual .lyx file.

**Origin:** leeming, 30 Mar 2004

## LFUN\_FILE\_INSERT

**Action:** Inserts another L<sup>y</sup>X file.

**Syntax:** file-insert [<FILE>]

**Params:** <FILE>: Filename to be inserted.

## LFUN\_FILE\_INSERT\_PLAINTEXT

**Action:** Inserts plain text file.

**Syntax:** file-insert-plaintext [<FILE>]

**Params:** <FILE>: Filename to be inserted.

**Origin:** CFO-G, 19 Nov 1997



## LFUN\_FILE\_INSERT\_PLAINTEXT\_PARA

**Action:** Inserts plain text file as paragraph (i.e. join lines).

**Syntax:** file-insert-plaintext-para [<FILE>]

**Params:** <FILE>: Filename to be inserted.

**Origin:** Levon, 14 Feb 2001

## LFUN\_FILE\_OPEN

**Action:** Open LyX document.

**Syntax:** file-open [<FILE>]

**Params:** <FILE>: Filename to be opened.

## LFUN\_CALL

**Action:** Executes a command defined in a .def file.

**Notion:** The definitions are by default read from lib/commands/default.def.

A .def file allows to define a command with `\define "<NAME>" "<LFUN>"` where <NAME> is the name of the new command and <LFUN> is the lfun code to be executed (see e.g. LFUN\_COMMAND\_SEQUENCE).  
`\def_file "FileName"` allows to include another .def file.

This is particularly useful in connection with toolbar buttons: Since the name of the button image for this lfun is lib/images/commands/<NAME>.png this is the way to assign an image to a complex command-sequence.

**Syntax:** call <NAME>

**Params:** <NAME>: Name of the command that must be called.

**Origin:** broider, 2 Oct 2007

## LFUN\_META\_PREFIX

**Action:** Simulate halting Meta key (Alt key on PCs).

**Notion:** Used for buffer editation not for GUI control.

**Syntax:** meta-prefix

## LFUN\_CANCEL

**Action:** Cancels sequence prepared by LFUN\_META\_PREFIX .

**Syntax:** cancel

## LFUN\_COMMAND\_EXECUTE

**Action:** Switches the focus to the minibuffer so that the user can type in there. If necessary, it opens the minibuffer toolbar.

**Notion:** Usually bound to M-x shortcut.

**Syntax:** command-execute

## LFUN\_COMMAND\_PREFIX

**Action:** Return the current key sequence and available options as a string.

**Notion:** No options are added if no current map exists.

This is probably usable only with connection to lyxserver.

**Syntax:** command-prefix

## LFUN\_COMMAND\_SEQUENCE

**Action:** Run more commands (LFUN and its parameters) in a sequence.

**Syntax:** command-sequence <CMDS>

**Params:** <CMDS>: Sequence of commands separated by semicolons.

**Sample:** command-sequence cut; ert-insert; self-insert \; paste; self-insert {}; inset-toggle;

**Origin:** Andre, 11 Nov 1999

## LFUN\_COMMAND\_ALTERNATIVES

**Action:** Runs the first listed command that is enabled.

**Notion:** This can be used to bind multiple functions to a single key, and then which one is used will depend upon the context.

**Syntax:** command-alternatives <CMDS>

**Params:** <CMDS>: Sequence of commands separated by semicolons.

**Sample:** command-alternatives completion-accept;cell-forward

**Origin:** rgh, 24 September 2008

## LFUN\_MESSAGE

**Action:** Shows message in statusbar (for script purposes).

**Syntax:** message <STRING>

**Origin:** Lgb, 8 Apr 2001

## LFUN\_DEBUG\_LEVEL\_SET

**Action:** Set debug output level.

**Syntax:** debug-level-set <LEVEL>

**Params:** <LEVEL>: comma separated list of levels or the correspondent number of their combination. 0 is equivalent to disabling all debug events. See `lyx -dbg` for the current list of debug levels and their numbers.

**Origin:** sanda, 28 Dec 2009

## LFUN\_PREFERENCES\_SAVE

**Action:** Save user preferences.

**Syntax:** preferences-save

**Origin:** Lgb, 27 Nov 1999

## LFUN\_RECONFIGURE

**Action:** Reconfigure the automatic settings.

**Syntax:** reconfigure

**Origin:** Asger, 14 Feb 1997

## LFUN\_LYXRC\_APPLY

**Action:** Apply the given settings to user preferences.

**Syntax:** lyxrc-apply <SETTINGS>

**Params:** <SETTINGS>: settings which are to be set. Take a look into `~/.lyx/preferences` to get an idea which commands to use and their syntax. `lyx::LyXRC::LyXRCTags` has the list of possible commands.

## LFUN\_CURSOR\_FOLLOWS\_SCROLLBAR\_TOGGLE

**Action:** Determine whether keep cursor inside the editing window regardless the scrollbar movement.

**Syntax:** toggle-cursor-follows-scrollbar

**Origin:** ARRae, 2 Dec 1997

## LFUN\_SET\_COLOR

**Action:** Set the given LyX color to the color defined by the X11 name given.

**Notion:** A new color entry is created if the color is unknown. Color names can be stored as a part of user settings.

**Syntax:** set-color <LYX\_NAME> <X11\_NAME>

**Origin:** SLior, 11 Jun 2000

## LFUN\_STATISTICS

**Action:** Count the statistics (number of words and characters) in the document or in the given selection.

**Notion:** Note that this function gives the number of words/chars written, not the number of characters which will be typeset.

**Syntax:** statistics

**Origin:** lasgouttes, Jan 27 2004; sanda, Jan 8 2008

## LFUN\_COMPLETION\_INLINE

**Action:** Show the inline completion at the cursor position.

**Syntax:** completion-inline

**Origin:** sts, Feb 19 2008

## LFUN\_COMPLETION\_POPUP

**Action:** Show the completion popup at the cursor position.

**Syntax:** completion-popup

**Origin:** sts, Feb 19 2008

## LFUN\_COMPLETION\_COMPLETE

**Action:** Try to complete the word or command at the cursor position.

**Syntax:** complete

**Origin:** sts, Feb 19 2008

## LFUN\_COMPLETION\_CANCEL

**Action:** Try to cancel completion, either the popup or the inline completion.

**Syntax:** completion-cancel

**Origin:** sts, Sep 07 2008

## LFUN\_COMPLETION\_ACCEPT

**Action:** Accept suggested completion.

**Syntax:** completion-accept

**Origin:** sanda, Sep 08 2008

## LFUN\_BRANCH\_ADD

**Action:** Add a branch to the buffer's BranchList.

**Syntax:** branch-add <BRANCH>

**Params:** <BRANCH>: Name of the branch to add

**Origin:** spitz, 7 Jul 2009

## LFUN\_BRANCH\_ACTIVATE

**Action:** Activate the branch.

**Syntax:** branch-activate <BRANCH>

**Params:** <BRANCH>: The branch to activate

**Sample:** lyx -x "branch-activate answers" -e pdf2 finalexam.lyx  
could be used to export a pdf with the answers branch included without one's having to open LyX and activate the branch manually.

**Origin:** rgh, 27 May 2008

## LFUN\_BRANCH\_DEACTIVATE

**Action:** De-activate the branch.

**Syntax:** branch-deactivate <BRANCH>

**Params:** <BRANCH>: The branch to deactivate

**Origin:** rgh, 27 May 2008

## LFUN\_BRANCHES\_RENAME

**Action:** Rename all branches of a given name in a document.

**Syntax:** branches-rename <OLDNAME> <NEWNAME>

**Params:** <OLDNAME>: Current name of the branch to be renamed <NEWNAME>: New name of the branch

**Origin:** spitz, 9 Jul 2009

## LFUN\_BRANCH\_ADD\_INSERT

**Action:** Create new branch and directly put the branch inset into the document.

**Syntax:** branch-add-insert [<NAME>]

**Params:** <NAME>: Branch name. If it is not specified, you will be asked.

**Origin:** sanda, 10 Jul 2009

## LFUN\_LABEL\_COPY\_AS\_REF

**Action:** Copies the label at the cursor as a cross-reference to be pasted elsewhere.

**Syntax:** copy-label-as-reference <LABEL>

**Params:** <LABEL>: The label to copy (for multi-line math)

**Origin:** sts, 16 Nov 2008

## LFUN\_LABEL\_INSERT\_AS\_REF

**Action:** Inserts the label as a cross-reference at the position of the cursor.

**Syntax:** label-insert-as-reference

**Origin:** vfr, 7 Apr 2009

## LFUN\_BUFFER\_ZOOM\_IN

**Action:** Increases the zoom of the screen fonts.

**Syntax:** buffer-zoom-in [<ZOOM>]

**Params:** <ZOOM>: The zoom in %, the default is 20.

**Origin:** vfr, 30 Mar 2009

## LFUN\_BUFFER\_ZOOM\_OUT

**Action:** Decreases the zoom of the screen fonts.

**Syntax:** buffer-zoom-out [<ZOOM>]

**Params:** <ZOOM>: The zoom in %, the default is 20.

**Origin:** vfr, 30 Mar 2009

## LFUN\_INSET\_COPY\_AS

**Action:** Copies the inset to the clipboard as a certain type.

**Notion:** Currently used only for InsetInfo where its content is copied as a text.

**Syntax:** inset-copy-as

**Origin:** vfr, 18 Apr 2010