Emacs Features

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Features already in Emacs

► Presentation of several features which are not always present in other text editor or IDE

Split Screen

- split current frame as often as you want with horizontaly "Ctrl+x 2", verticaly "Ctrl+x 3", undo all split "Ctrl+x 1"
- increase/decrease size of frame (window for Emacs) with "Alt+x enlarge-window, enlarge-window-horizontally, shrink-window or shrink-window-horizontally"



Figure: Split in four windows

No Tab

- Emacs do not use tab but history of opened files (buffers for Emacs)
- "Ctrl+x" "Ctrl+b" (for electric-buffer-list) or ECB history or "Ctrl+Left Click" to open context menu



Figure: ECB History (bottom-left), Buffer List (top-right) and Context Menu

Move by paragraph/word/expression

- move from word to word with "Ctrl+LEFT/RIGHT"
- move from empty line to empty line (between paragraph/block) with "Ctrl+UP/DOWN"
- move from function begining to ending with "Ctrl+Shift+HOME/END"
- move to preprocessing begining with "Ctrl+c Ctrl+u"
- switch to move from word to word to move from subword to subword (place at CapitalLetterInThisWord) with "Clrl+c Ctrl+w"
- and more about parentheses/bracket or source code block or sentence

Highlight current line

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### Comparison of the comparis
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Figure: The highlight current line in center

Selection with or without Shift

- put a mark "Ctrl+SPACE" (do not hold it) and move to select something
- select the whole current block with "Alt+h"
- select the whole function with "Ctrl+Alt+h"
- use keep "Shift" press and move (or with mouse)

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### Comments of the Comments
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Figure: A region is selected

Delete by word/block

- remove all empty line except one "Ctrl+x Ctrl+o"
- remove all space except one "Alt+SPACE"
- ▶ delete word left "Alt+BACKSPACE" or "Ctrl+BACKSPACE"
- delete word right "Alt+d"

Add/Remove parentheses

- around a selection with parentheses with "Alt+("
- ► remove a pair of parentheses with "Alt+x delete-pair ENTER"

Incremental Search

- start an forward incremental search with "Ctrl+s", regex with "Ctrl+Alt+s"
- backward incremental search with "Ctrl+r", regex with "Ctrl+Alt+r"
- ▶ last searched in forward with "Ctrl+s Ctrl+s" same for backward "Ctrl+r Ctrl+r", search in history "Ctrl+s ENTER Alt+r", etc
- during incremental search, select to the end of the word with "Ctrl+w", paste with "Alt+y", case sensitive with "Alt+c", start query replace with "Alt+%"
- ▶ the incremental search highlight all matches in the buffer
- ▶ any keys to move will close incremental search
- ► incremental search can be very useful to move in a buffer, even during selection

Occurrences

- search each occurences of a regex with "Alt+s o"
- you can navigate to the next or previous match with "Alt+g Alt+n" and "Alt+g Alt+p" (if you want use them I recommend to rebind them like "F3" "Shift+F3")
- to refresh with "g" when in * Occur* buffer

```
Compared Programs of Programs (1994)

Compared Programs (1994)

Compar
```

Figure: Search occurences of "emacs"

Replace query

- ▶ query replace without regex with "Alt+%"
- query replace with regex with "Ctrl+Alt+%"

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C. Howards (1) The COLOR of SECONDERS (140)

C. March (1) The Color of Seconders (140)

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Figure: Query replacing "emacs" with "vim"

Replace on a selected region

- ► replace without regex with "Alt+x replace-string ENTER"
- ▶ replace with regex with "Alt+x replace-regexp ENTER"
- ▶ it replace only in the selected region and do not interact with rest of the buffer

Alignment

- ▶ align declaration, parameters of functions with "Alt+x align ENTER" (following the current languages)
- align anything with regex with "Alt+x align-regexp ENTER"

```
{
  register int i;
  Lisp_Object name, dir, tem;
  int count = SPECPOL_INDEX ();
  Lisp_Object raw_name;
  initial_argv = argv;
  initial_argc = argc;
  raw_name = build_string (argv[0]);
```

Figure: Before

```
{
  register int i;
  Lisp_Object name, dir, tem;
  int count = SPECPDL_INDEX ();
  Lisp_Object raw_name;
  initial_argv = argv;
  initial_argc = argc;
  raw_name = build_string (argv[0]);
```

Figure: After align declarations

Information

- ► Count number of character and line in a selected region with "Alt+ ="
- ▶ Information about a character with "Ctrl+x ="
- line and column number in status bar of current buffer (modeline in Emacs)

```
/* Zempcy Tisp Strings. To avoid having to build Lisp_Object empty_unibyte_string, empty_multibyte 
/* Search path separator. */
Lisp_Object Vpath_separator;

-(Unix)**- 4% of 79k (146,0)

Region has 2 lines, 59 characters
```

Figure: Information about a selected region and line and column number of cursor

 $\quad \text{undo} \quad$

advanced clipboard (kill ring)

▶ "Ctrl+k" to cut rest of line

rectangle

cua selection

macro

minor column mode

buffer point register

integrated explorer

bookmarks

command completion/search... (minibuffer)

highlight

indent (line/region following languages and settings)

folding (hide/show block)

version control integration (csv/svn by default)

calculator (on region/rectangle, hextodec...)

help (not welcoming)

help about a unknown shortcut/function...

compile

shortcuts with Windows and Menu keys

full customization (font/decoration/color/new function/shortcuts)

settings and customization in simple text file (lisp code)

completion (dumb)

calendar

transparency

parentheses match

mouse avoidance

word wrap (truncate line to show all line but on multiple line)

backup file

dictionnary

up/down case word/region

see only one selected region without interact with rest (narrow)

acceleration mouse scroll

remove all useless space (trailing space)

history in command (like shell)

fill (justify plain text)

find file (recursively with regex)

Mode

cedet/semantic/completion (smart for oriented object)/ede
(manage project)

ecb (quake like window but bottom for compile/grep/custom...) source list/ directory list/ method list (with filter and group)

gtags (search file in project)

which function

dired+ / dired sort (sort like in MS Windows Explorer +
 open with associated application)

packages repository

home end

syntax coloration for every languages (just search on internet)

highlight current symbol

google calendar

column indicator

produce document, wiki, pdf, presentation... (muse mode)

show undo like a tree (undo tree mode)

org mode

parentheses match not visible

color theme

Function

memory ring for tags with semantic

check missing mode

incremental search at point

My Function

manage setting profile (my configuration)

select word at point

occur at point

toggle width of ecb window

search tab

graphical clearcase integration

new theme color

better integration in MS Windows

Customize

ignore insert key

never dialog box

never tooltips

add filesize, date and time (modeline)

french calendar

filter/group ecb windows (source/directory/method...)