PEL Topics Index

Last updated on: 2024-10-09 Note: with PEL, type <f11> <f1> to open this PDF index.

Emacs Reference Cards

☝ With PEL you can access these via the <f11> ? e r key sequence.
See Σ Help/Info

These are links to the PDF version of official English version of the quick reference cards for GNU Emacs and popular external packages. PEL documents Emacs key bindings as well, these cards provide useful complement to what PEL provides.

Emacs	Calc	Gnus	Magit Cheatsheet	Org	Viper
Emacs survival card	Dired	Gnus booklet	Magit Ref-card		VIP

➢ PEL Overview (license)

- PEL repo
- PEL Readme
- PEL Manual
- PEL NEWS
- Discussions

This table holds links to the PEL file tables. Each cell holds a hyperlink to the GitHub hosted raw PDF table.

☝ For the best user experience, use a browser that can render PDF directly instead of downloading.
- Mozilla Firefox (version > 78) does that perfectly. You may need to activate a plug-in for other browsers.
- With that in place, you can browse through all the PDFs and reach a vast amount of information quickly.

☝ From within Emacs open this topic index PDF by typing the <f11> ? <f1> key sequence. More help topics with <f11> ? p keys.

☝ The symbols, colour coding and various other conventions are described in the ➢Legend PDF.

- General Information.
- Startup
- Development Information

➢Legend	➢Recommended Emacs User Option	➢Themes	Migrate from CRiSP	
	Run Emacs daemon & clients	iMenu/Speedbar support		
➢PEL	PEL Naming Conventions	PEL Environment Variables		PEL utilities

OS Desktop Key Bindings

(Bindings that don't clash with PEL)

macOS Fct Keys	macOS Keys	Mint 20 Desktop Keys	Ubuntu 16.04 Desktop Keys	
	terminal settings	Rocky Linux 8 Desktop Keys		

Feature Comparisons

Completion Modes Compatibility	Speedbar/iMenu Mode Compatibility	Shells/Terminals Comparisons

Key Prefixes & Suffixes

Σ Modifier Keys	Σ Numkeypad	➢PEL	Keys - Fn	Keys - F11

Σ Emacs Features

- A Guided Tour of Emacs.
- Awesome-Emacs
- MELPA and GNU ELPA

The tables listed at right describe Emacs commands & key bindings for concepts & features. The cell is light-blue for major mode, light-red for minor mode specific concepts. Emacs commands can be executed by name or bound to key sequences. They describe the commands, their arguments and the key sequences bound to them.
- Emacs Keys
- Numeric Arguments

You can also:
- Run Command by Name

Emacs uses a concept of modes:
- Emacs Major and Minor Modes
  - Major Modes
  - Minor Modes
  - Choosing Modes

PEL provides several key sequences to toggle minor modes.

Cells link titles starting with only Σ are Emacs generic features, blue links are external packages. The green links are mostly PEL extensions.

Σ Abbreviations	Σ Diff & Merge	Σ Grep	Σ Marking	Σ Scrolling	Σ Tab Bar
Σ Align	Σ Dired	Σ Help/Info	Σ Menus	Σ Search/Replace	T Templates
Σ Auto-Completion	Σ Display - Lines	Σ Hide/Show	Σ Mode Line	Σ Sessions	Σ Text Modes
Σ Autosave/Backup	Σ Drawing	Σ Highlight (colors)	Σ Mouse	Σ start Shells/REPLs	Σ Time Tracking
Σ Bookmarks	Σ Enriched Text	Σ ibuffer-mode	Σ Narrowing	Σ shell-mode	Σ Tramp
Σ Buffers	Σ Faces/Fonts	Σ Indentation	Σ Navigation	Σ term-mode	Σ Transpose text
Σ Case Conversions	ΣP Fast Startup	Σ Input Method	Σ Object Files	Σ eat-mode	Σ𝑥 Treemacs
Σ Close/Suspend	Σ File Encoding	Σ Inserting Text	Σ Outline	Σ vterm-mode	Σ Undo/Redo
Σ Comments	Σ File-mngt	Σ Key-Chords	Σ Packages	Σ𝑥 Smartparens	Σ VCS-Git 𝑥Magit
Σ Completion/Input	Σ File/Dir Variables	Σ Keyboard Macros	Σ𝑥 Projectile	Σ Sorting	Σ VCS-Mercurial
Σ Counting	Σ Fill/Justify	𝛑𝑙𝑥- Lispy	Σ Rectangles	Σ Speedbar	Σ VCS-Subversion
ΣM CUA	Σ Frames		Σ Registers	Σ Spell Checking	Σ Web
Σ Cursor				Σ SyntaxCheck	Σ Whitespace
Σ Customize					Σ Windows
Σ Cut & Paste					Σ Xref - Cross Refs
𝑥𝛑𝑙 - Emacs Lisp concepts & tools	𝑥 display-buffer	𝑥※ - ELisp Types	𝑥 ERT (regr-testing)	𝑥 Hooks	

XRef - Cross Reference Tools

See also: Σ Xref

Emacs supports various cross reference mechanisms described in the Σ Xref table. These mechanisms take advantage of various external tools and integrate with them. Notes about those tools are available in the tables listed in this section.

Xref-Support	Xref-Frontend	Xref-Backend			

PEL supports installation and partial setup of the following tools:

Build Tools & Preprocessor

PEL has support for several build tools but they are not all documented in a page.
- Nix Requires nix-mode external package activated when pel-use-nix-mode user-option is tuned on.
- Tup Requires tup-mode external package activated when pel-use-tup user-option is tuned on.

					Command Line Scripting Languages: bash, sh, zsh
𝛑𝑙 - CMake future	𝛑𝑙 - M4	𝛑𝑙 - Make gmake			
Data Serialization	Ⓓ CWL	Ⓓ YAML			Utility: GNU readline
Data Modelling/ Specification	Ⓢ ASN.1 asn1-mode	Ⓢ MIB snmp-mode	Ⓢ YANG		ls -l
Hardware Description Languages	Verilog future	VHDL future			
Text Markup Languages	Ⓜ AsciiDoc	Ⓜ Markdown	Ⓜ Org-Mode	Ⓜ reStructuredText	OS App Control Scripting Languages
• Graphics Markup	Ⓜ Graphviz Dot	Ⓜ MscGen	Ⓜ PlantUML		𝛑𝑙 - AppleScript

Programming Languages

Main Paradigm of Programming Language Families
- ***Actor Model:*** Ⓐ
- ***Concatenative*** Ⓚ
- ***Concurrent:*** ⓒ
- ***Functional:*** ⓕ ***Pure:*** Ⓕ
- ***Imperative:*** ⓘ ***or no token***
- ***Object Oriented*** ∞
- ***Has Syntactic Macros:*** ⓜ

- The programming languages supported by PEL are listed here in alphabetical order.
- Emacs (and PEL) also provides basic support for other programming languages not listed here.

Future support for Crystal, Elm, Kotlin, Lua, Purescript, ReasonML, Seed7, Typescript, Zig and documentation of support for Ada, Fortran, Javascript, Java, Modula, Pascal (based on my need for them or requests (if any)).

Emacs has major mode support for several programming languages. PEL currently adds extra support for some of them, listed below.

BEAM Programming Languages	*Functional Languages*	Javascript target	Lisp Family Languages	Lisp-like Languages	
Curly Bracket Languages	Java Virtual Machine Languages	ML Family Languages	Scheme Language Dialects	Stack Based Languages	

The following lists the programming languages in alphabetical order. Cell colours refer to the programming language family(ies).

Ada future	𝛑𝑙 - D ⓘⓕⒶ	𝛑𝑙 - Gambit ⓕⓜ	𝛑𝑙 - Janet ⓘⓕⓜ	Objective-C future	Scala future
𝛑𝑙 - Arc ⓕⓜ	Dart future	𝛑𝑙 - Gerbil ⓕⓜⒶ	Java future	𝛑𝑙 - OCaml ⓘⓕ	𝛑𝑙 - Scheme ⓕⓜ
𝛑𝑙 - C	Eiffel future	𝛑𝑙 - GNU Guile ⓕⓜ	𝛑𝑙 - Javascript future	Pascal future	Seed7 future
𝛑𝑙 - C++	𝛑𝑙 - Elm future Ⓕ	𝛑𝑙 - Gleam	𝛑𝑙 - Julia ⓜ	𝛑𝑙 - Perl	Swift future
𝛑𝑙 - Chez ⓕⓜ	𝛑𝑙 - Elixir ⓒⓜⓕⒶ	𝛑𝑙 - Go	Kotlin future	𝛑𝑙 - Python	𝛑𝑙 - Tcl future ⓕⓘ
𝛑𝑙 - Chibi ⓕⓜ	𝑥𝛑𝑙 - Emacs Lisp	Groovy future	𝛑𝑙 - LFE ⓒⓜⓕⒶ	𝛑𝑙 - Purescript Ⓕ	𝛑𝑙 - Typescript future
𝛑𝑙 - Chicken ⓕⓜ	𝛑𝑙 - Erlang ⓒⓕⒶ	𝛑𝑙 - Haskell Ⓕ	Lua future	𝛑𝑙 - Racket ⓕⓜ	𝛑𝑙 - UNIX Shell
𝛑𝑙 - Clojure ⓕⓜ	Factor Ⓚⓕⓒⓜ	Haxe future	Modula future	𝛑𝑙 - ReasonML future	𝛑𝑙 - V
Common Lisp ⓕⓜ	𝛑𝑙 - Forth Ⓚ	𝛑𝑙 - Hy *(python)* ⓜ	𝛑𝑙 - NetRexx	𝛑𝑙 - REXX	Zig future
Crystal future	Fortran future		𝛑𝑙 - Nim ⓜ	𝛑𝑙 - Ruby	
				𝛑𝑙 - Rust	