PEL Topics Index

Last updated on: 2024-11-01 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	GNU screen
	Run Emacs daemon & clients	iMenu/Speedbar support		
	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 | Keys - Fn | Keys - F11 | ➢PEL

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	𝔓ℓ𝔁- 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
Σ𝔓ℓ - Emacs Lisp concepts & tools	Σ display-buffer	Σ𝔁※ - ELisp Types	Σ ERT (regr-testing)	Σ 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

Build Tools & Preprocessor

PEL supports installation and partial setup of the following tools:

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.

𝔓ℓ - CMake	𝔓ℓ - M4	𝔓ℓ - Make gmake			Command Line Scripting Languages: bash, sh, zsh

Data Serialization

Ⓓ CWL | Ⓓ YAML | Utility: GNU readline

Data Modelling/ Specification

Ⓢ ASN.1 asn1-mode | Ⓢ MIB snmp-mode | Ⓢ YANG | ls -l

Other File Formats

RPM Files | Ⓜ X.509 Certificates

Hardware Description Languages

Verilog | VHDL

Text Markup Languages

Ⓜ AsciiDoc	Ⓜ Markdown	Ⓜ Org-Mode	Ⓜ reStructuredText		OS App Control Scripting Languages
• Graphics Markup	Ⓜ Graphviz Dot	Ⓜ MscGen	Ⓜ PlantUML		𝔓ℓ - AppleScript

Programming Languages

Main Paradigm of Programming Language Families
- *Actor Model:* Ⓐ
- *Concatenative* Ⓚ
- *Concurrent:* ⓒ
- *Domain Specific* ⓓ
- *Dynamic* 𝑑
- *Functional:* ⓕ *Pure:* Ⓕ
- *Imperative:* ⓘ *or no token*
- *Object Oriented* ⓞ
- *Procedural* Ⓟ
- *Has Syntactic Macros:* ⓜ
- *System Level* Ⓢ

- 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).

Emacs has major mode support for several programming languages. PEL extends Emacs support for some of them (others are marked).

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	

Cell colours identifies the programming language family(ies).

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