PEL Quick Access Topics Index

Last updated on: 2025-12-09 — Note: with PEL; type `<f11> <f1>` to open this PDF index.

GNU Emacs Reference Cards

With PEL, access these PDF cards from within Emacs with the `<f11> ? e r` key sequence. See Σ Help/Info for more info.
Links to PDF version of official English version of the quick reference cards for GNU Emacs and popular external packages.

- Emacs Release History
- EmacsWiki
- Emacs project repo

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

➢ PEL

Readme · License · NEWS

- Repo
- Manual
- Discussions
- Emacs Mailing Lists
- Contribute to Emacs
- EmacsConf

This table holds links to all other PEL topic oriented PDF table files (hosted on Github).
☝ For best user experience, use a browser like Firefox that can render PDF directly instead of downloading: all PDFs are heavily hyperlinked.
☝ 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.

Terminal Multiplexers: GNU screen , Tmux
Command Line Scripting Languages: bash, sh, zsh
: GNU readline, ls -l, ssh

General Info ➢	➢Legend	➢Recommended Emacs User Option	➢Themes	Migrate from CRiSP	
Startup ➢		Run Emacs daemon & clients	iMenu/Speedbar support		
PEL Code ➢	How to do it with 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

Modifier Keys · Numkeypad · Keys - Fn · Keys - F11 · Keys - F12 · ➢PEL

Σ Emacs Features

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

Σ Emacs Manual , Guided Tour of Emacs , Emacs Lisp Manual
- Emacs Docs: Emacs, Emacs Lisp
- Mastering 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. Grey cells are links into other pages for important 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.

Abbreviations	Diff & Merge	Grep	Man pages	Scrolling	Tab Bar
Align	Dired	Help/Info	Marking	Search/Replace	T Templates
Auto-Completion	Display - Lines	Hide/Show	Menus iMenu	Sessions	Text Modes
Autosave/Backup	Drawing	Highlight (colors)	Mode Line	start Shells/REPLs	Time Stamps
Bookmarks	Eldoc	ibuffer-mode	Mouse	shell-mode	Time Tracking
Buffers	Enriched Text	Indentation	Narrowing	term-mode	Tramp
Case Conversions	Execute Cmds	Input Method	Navigation	eat-mode	Transpose text
Close/Suspend	Exec Shell Cmds	Inserting Text	Object Files	vterm-mode	Treemacs
Comments	Faces/Fonts	Key-Chords	Outline	Smartparens	Tree Sitter
Compilation Mode	P Fast Startup	Keyboard Macros	Packages	Sorting	Undo/Redo/Repeat
Completion/Input	File Encoding	- Lispy	Programming	Speech To Text	VCS-Git Magit
Counting	File-mngt	Logging key strokes	Project Tools	Speedbar	VCS-Mercurial
CUA	File/Dir Variables		Projectile	Spell Checking	VCS-Subversion
Cursor	Fill/Justify		Recursive Edit	SyntaxCheck	Web
Customize	Frames		Rectangles		Whitespace
Cut & Paste			Registers		Windows
					Writing Tools
					Xref - Cross Refs

- Emacs Lisp concepts & tools	display-buffer	- ELisp Types	Hooks	Elisp Build Tools	ERT (regr-testing)	
Parsing tools, Indentation	Xref Tools:	Language Servers	Tree-sitter	Indentation Styles	Xref-Support	Xref-Frontend	Xref-Backend

Build Tools

- CMake
- Make gmake
- Meson
- Ninja
- Nix
- Tup
- xmake

Data Serialization & Configuration

CWL · JSON · PKL · XML · YAML

Modelling

ASN.1 asn1-mode · MIB snmp-mode · YANG

Other File Formats

Binary, Object, Executable Files · Log Files · RFC (RFC @ Wikipedia) · SSH files ssh
Changelog Files · Config/ini/toml... Files · RPM Files (spec file format) · X.509 Certificates

Hardware Description Languages

- Verilog
- VHDL
- Language Server & Tools for HDL

Lightweight Markup Languages

AsciiDoc · Markdown · Org-Mode · reStructuredText

• Graphics Markup

Graphviz Dot · MscGen · PlantUML

Programming Languages Major Modes

BEAM Programming · *Functional* · Javascript target · Pascal-style syntax · Lisp-like Languages · Stack Based
Curly Bracket · Java Virtual Machine · ML Family · Lisp Family · Scheme Dialects · OS App Control

Main Paradigm of Programming Languages
- *Actor Model:* Ⓐ *Array* Ⓧ
- *Concatenative* Ⓚ *Concurrent:* ⓒ
- *Domain Specific* ⓓ
- *Dynamic* 𝒹 *Extensible* ⓔ
- *Functional:* ⓕ *Pure:* Ⓕ
- *Generic* ⓖ
- *Imperative:* ⓘ *or no token*
- *Object Oriented* ⓞ *Procedural* Ⓟ
- *Has Syntactic Macros:* ⓜ
- *Multi-paradigm* *Reflective* |
- *System Level* Ⓢ

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

Future support for APL, Carbon, Crystal, Elm, Groovy, Haxe, Kotlin, Pony, Purescript, ReasonML, Rebol, Red, Scala, Typescript and documentation of support for Fortran (based on my need for them or requests).

- Ada Ⓢ	- D ⓘⓕⒶ	- Gambit ⓕⓜ	- Janet ⓘⓕⓜ	-Pascal	Scala
- AppleScript	- Dart ⓕ ⓞ |	- Gerbil ⓕⓜⒶ	- Java	- Perl (perl5)	- Scheme ⓕⓜ
APL	- Eiffel ⓞ Ⓢ	- GNU Guile ⓕⓜ	- Javascript	- Pike 𝒹 ⓘ ⓞ	-Seed7 ⓔ ⓖ
- Arc ⓕⓜ	- Elm Ⓕ	- Gleam	- Julia ⓜ	Pony	-Smalltalk ⓞ
- awk ⓓ	- Elixir ⓒⓜⓕⒶ	- Go Ⓢ	Kotlin	- Purescript Ⓕ	-Swift
- C Ⓢ	- Emacs Lisp	Groovy	- LFE ⓒⓜⓕⒶ	- *Python* 𝒹ⓟⓞⓕ	- Tcl ⓕⓘ
- C++ ⓞⓈ	- Erlang ⓒⓕⒶ	- Haskell Ⓕ	- Lua ⓕ ⓞ Ⓟ	R ⓞ Ⓟ ⓕ Ⓧ |	- Typescript
Carbon future Ⓢ	- Factor Ⓚⓕⓞⓜ	Haxe	- M4	- Racket ⓕⓜ	- UNIX Shell
- Chez ⓕⓜ	- Forth Ⓚ	- Hy *(python)* ⓜ	-Modula	- ReasonML	- V
- Chibi ⓕⓜ	Fortran		- NetRexx	Rebol	-Zig Ⓢ
- Chicken ⓕⓜ			- Nim ⓜⓈ	Red	
- Clojure ⓕⓜ			-Objective-C	- REXX	
Common Lisp ⓕⓜ			- OCaml ⓘⓕ	- Ruby	
Crystal			- Odin Ⓢ	- Rust Ⓢ	