PEL Quick Access Topics Index

Last updated on: 2026-01-21   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

- Repo   License
- Manual   NEWS
- 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

𝚺 🖥Modifier Keys	𝚺🖥Numkeypad	🖥Keys - Fn	🖥Keys - F11	🖥Keys - F12	➤PEL

𝚺 Emacs Features

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 at right describe Emacs concepts/features commands & key bindings. Cell background is light-blue for major mode, light-red for minor mode specifics, grey for links to sections of tables. Cells link titles starting with 𝚺 are Emacs generic features, blue links are external packages. The green links are mostly PEL extensions. 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.

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

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

Build Tools

𝚺𝕷 - CMake 🚧	𝚺𝕷 - Make gmake	𝚺𝕷 - Meson	𝚺𝕷 - Ninja	𝚺𝕷 - Nix	𝚺𝕷 - Tup

Data Serialization & Configuration

Ⓓ CWL	Ⓓ HCL/Terraform🚧	Ⓓ JSON 🚧	Ⓓ PKL 🚧	Ⓓ XML 🚧	xmake

Modelling

Ⓜ ASN.1 asn1-mode	Ⓜ MIB snmp-mode	Ⓜ YANG		Ⓓ YAML	

Other File Formats

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

Hardware Description Languages

🕹𝕷 - Verilog 🚧	🕹𝕷 - VHDL 🚧	🚦 Language Server & Tools for HDL 🚧		

Lightweight Markup Languages

Ⓜ AsciiDoc	Ⓜ Creole	Ⓜ 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:* ① 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 (based on my need for them or requests).

𝚺𝕷 - Ada 🚧 ⋋Ⓢ	Crystal 🚧	𝚺𝕷 - Gambit ①ⓕⓜ	𝚺𝕷 - Janet ①①ⓜ	𝚺𝕷-Pascal	Scala 🚧
𝚺𝕷 - Algol	𝚺𝕷 - D ①ⓕ𝒜	𝚺𝕷 - Gerbil ⓕⓜⒶ	𝚺𝕷 - Java 🚧	𝚺𝕷 - Perl (perl5)	𝚺𝕷 - Scheme ⓕⓜ
𝚺𝕷🍎- AppleScript	𝚺𝕷 - Dart ⋋①ⓞ|	𝚺𝕷 - GNU Guile ⓕⓜ	𝚺𝕷 - Javascript 🚧	PHP 🚧 future	𝚺𝕷 - Schen ⓕⓜ
APL 🚧	𝚺𝕷 - Eiffel 🚧	𝚺𝕷 - Gleam 🚧	𝚺𝕷 - Julia ⓜ	𝚺𝕷 - Pike 𝒹①ⓞ	𝚺𝕷-Seed7 🚧 ⓔⓖ⋋
𝚺𝕷 - Arc ⓕⓜ	𝚺𝕷 - Elm Ⓕ	𝚺𝕷 - Go Ⓢ	Kotlin 🚧	Pony	SQL 🚧
𝚺𝕷 - awk ⓓ	𝚺𝕷 - Elixir ⓒⓜⓕ𝒜	Groovy 🚧	𝚺𝕷 - LFE ⓒⓜⓕ𝒜	𝚺𝕷 - Purescript Ⓕ	𝚺𝕷-Smalltalk ⓞ
𝚺𝕷 - C Ⓢ	𝚺𝕷 - Emacs Lisp	𝚺𝕷 - Haskell Ⓕ	𝚺𝕷 - Lua ⓕⓞⓅ	𝚺𝕷 - Python 𝒹Ⓟⓞⓕ	𝚺𝕷-Swift
C# 🚧 future	𝚺𝕷 - Erlang ⓒⓕ𝒜	Haxe 🚧	𝚺𝕷 - M4	R 🚧 ⓞⓅⓕ⊠|	𝚺𝕷 - Tcl ⓕ①
𝚺𝕷 - C++ ⓞⓈ	𝚺𝕷 - Factor Ⓚⓕ ⓞⓜ	𝚺𝕷 - Hy (python)	𝚺𝕷-Modula	𝚺𝕷 - Racket ⓕⓜ	𝚺𝕷 - Typescript 🚧
𝚺𝕷 - C3 Ⓢ	FAUST 🚧 future		Mojo 🚧 future	𝚺𝕷 - ReasonML 🚧	𝚺𝕷 - UNIX Shell
Carbon 🚧 future	Fennel 🚧 future			Rebol 🚧	𝚺𝕷 - V
𝚺𝕷 - Chez ⓕⓜ	𝚺𝕷 - Forth Ⓚ	𝚺𝕷 - Nim ⓜⓈ	Red 🚧	Vala 🚧 future	
𝚺𝕷 - Chibi	𝚺𝕷 - Fortran	𝚺𝕷-Objective-C	𝚺𝕷 - REXX	𝚺𝕷 -Zig Ⓢ	
𝚺𝕷 - Chicken ⓕⓜ		𝚺𝕷 - OCaml ①ⓕ	Rocq 🚧 future		
𝚺𝕷 - Clojure ⓕⓜ		𝚺𝕷 - Odin Ⓢ	𝚺𝕷 - Ruby		
Common Lisp ⓕⓜ			𝚺𝕷 - Rust Ⓢ		