PEL Topics Index

Emacs Reference Cards

☝With PEL you can access these via the `<f11> ? e r` key sequence.
See ∑ 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

- PEL repo
- PEL Readme
- PEL Manual

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 quickly and reach a vast amount of information quickly.

☝From within Emacs open this topic index PDF by typing the `<f11> ? <f1>` key sequence.
☝The symbols, colour coding and various other conventions are described in the ➢Legend PDF.

• General Information.	➢Legend	➢Recommended Emacs User Option		➢Themes		
• Development Information	➢PEL	🖥iMenu/Speedbar support		🖥PEL Naming Conventions		
• Migration Guide	➢CRiSP ⇄ Emacs					

OS Desktop Key Bindings

macOS Keys	terminal settings		Ubuntu 16.04 Desktop Keys		

🚦 Feature Comparisons

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

Key Prefixes & Suffixes

∑ ⌨ Modifier Keys		∑⌨ Numkeypad	➢PEL	⌨Keys - Fn	⌨Keys - F11

∑ Emacs Features

See a **Guided Tour of Emacs**.

The PEL tables named at right ☛ describe the Emacs commands and key bindings for generic Emacs concepts and features.

Emacs commands can be executed by name or bound to key sequences. The commands may have arguments and keys can express them.
See:
- Emacs Keys
- Numeric Arguments
- Running Command by Name

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

PEL provides several key sequences to toggle minor modes, described in the relevant PDFs.

The links that start with only ∑ Emacs generic features, the blue links are external packages. The green links are mostly PEL extensions.

∑ Abbreviations	∑ Cursor	∑ Filling/ Justification	𝔓𝔩𝔵- Lispy	∑ Scrolling	∑ Time Tracking
∑ Align	∑ Customize	∑ Frames	∑ Marking	∑ Search/Replace	∑ Transpose
∑ Auto-Completion	∑ Cut & Paste	∑ Grep	∑ Menus	∑ Semantic	∑𝔵 Treemacs
∑ Autosave/Backup	∑ Diff & Merge	∑ Help/Info	∑ Mode Line	∑ Sessions	∑ Undo/Redo/ Repeat/Arg
∑ Bookmarks	∑ Dired	∑ Hide/Show	∑ Mouse	∑ Shells, REPLs & terminal emulators	∑ VCS-Git 𝔵Magit
∑ Buffers	∑ Display - Lines	∑ Highlight	∑ Narrowing	∑𝔵 Smartparens	∑ VCS-Mercurial
∑ Case Conversions	∑ Drawing	∑ ibuffer-mode	∑ Navigation	∑ Sorting	∑ VCS-Subversion
∑ Closing/ Suspending	∑ Enriched Text	∑ Indentation	∑ Outline	∑ Speedbar	∑ Web
∑ Comments	∑ Faces/Fonts	∑ Input Method	∑ Packages	∑ Spell Checking	∑ Whitespace
∑ Completion/Input	∑P Fast Startup	∑ Inserting Text	∑𝔵 Projectile	∑ SyntaxCheck	∑ Windows
∑ Counting	∑ File-mngt	∑ Key-Chords	∑ Rectangles	T Templates	∑ Xref - Cross References
∑ℳ CUA	∑ File/Directory Variables	∑ Keyboard Macros	∑ Registers	∑ Text Modes	

𝔏𝔓𝔩 - Emacs Lisp concepts & tools

𝔏 ERT (Emacs Lisp Regression Testing)		𝔏 Hooks	𝔏※ - Emacs Lisp Types		

XRef - Cross Reference Tools

See also: ∑ Xref

Emacs supports various cross reference mechanisms described in the ∑ 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. 🚧 This is work in progress.

🚦 Xref-Support	🚦 Xref-Backend				

Build Tools

PEL has support for several build tools but they are not all documented in a page.
Aside from the list below, PEL supports installation and partial setup of the following tools:
- 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 - Make					

Data Serialization

Ⓓ CWL	Ⓓ YAML				

Data Modelling/ Specification

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

Markup Languages

ℳ AsciiDoc	ℳ Markdown	ℳ Org-Mode	ℳ reStructuredText		

- **Graphics Markup**

ℳ Graphviz Dot	ℳ MscGen	ℳ PlantUML			

Programming Languages

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

- The programming languages supported by PEL are listed here in alphabetical order.
- PEL also provides basic support for other programming languages not listed here.
- Emacs supports other programming languages directly, not listed here.

Upcoming support for Elm, Purescript, ReasonML, Typescript and documentation of support for Javascript.

Emacs has major mode support for several programming languages. PEL currently adds extra support for some of them, listed below.
- The number of programming languages supported explicitly by PEL will grow over time.

BEAM Programming Languages	*Functional Languages*	Javascript target	Lisp Family Languages	Lisp-like Languages	Command Line Scripting Languages
Curly Bracket Languages	Java Virtual Machine Languages	ML Family Languages	Scheme Language Dialects	Stack Based Languages	OS App Control Scripting Languages

The following lists the programming languages in alphabetical order.
- The cell colours give a coarse indication of the programming language family(ies).

𝔓𝔩- AppleScript	𝔓𝔩 - Clojure ⓕⓜ	𝔓𝔩 - Forth Ⓚ	𝔓𝔩 - Hy *(python)* ⓜ	𝔓𝔩 - OCaml ⓘⓕ	𝔓𝔩 - Ruby
𝔓𝔩 - Arc ⓕⓜ	Common Lisp ⓕⓜ	𝔓𝔩 - Gambit ⓕⓜ	𝔓𝔩 - Janet ⓘⓕⓜ	𝔓𝔩 - Perl	𝔓𝔩 - Rust
𝔓𝔩 - C	𝔓𝔩 - D ⓘⓕⒶ	𝔓𝔩 - Gerbil ⓕⓜⒶ	𝔓𝔩 - Javascript	𝔓𝔩 - Python	𝔓𝔩 - Scheme ⓕⓜ
𝔓𝔩 - C++	𝔓𝔩 - Elm Ⓕ	𝔓𝔩 - GNU Guile ⓕⓜ	𝔓𝔩 - Julia ⓜ	𝔓𝔩 - Purescript Ⓕ	𝔓𝔩 - Typescript
𝔓𝔩 - Chez ⓕⓜ	𝔓𝔩 - Elixir ⓒⓜⓕⒶ	𝔓𝔩 - Gleam	𝔓𝔩 - LFE ⓒⓜⓕⒶ	𝔓𝔩 - Racket ⓕⓜ	𝔓𝔩 - UNIX Shell
𝔓𝔩 - Chibi ⓕⓜ	𝔏𝔓𝔩 - Emacs Lisp	𝔓𝔩 - Go	𝔓𝔩 - NetRexx	𝔓𝔩 - ReasonML	𝔓𝔩 - V
𝔓𝔩 - Chicken ⓕⓜ	𝔓𝔩 - Erlang ⓒⓕⒶ	𝔓𝔩 - Haskell Ⓕ	𝔓𝔩 - Nim ⓜ	𝔓𝔩 - REXX	