



























































PEL Topics Index

Last updated on: 2025-10-03		Note: with PEL; type <f11> <f1> to open this PDF index.				
<div>Emacs Reference Cards</div> <div> <ul style="list-style-type: none"> Emacs Release History EmacsWiki </div>		<div> Links to PDF version of official English version of the quick reference cards for GNU Emacs and popular external packages. </div> <div>  With PEL, access these PDF cards from within Emacs with the <f11> ? e r key sequence. See ℥ Help/Info for more info. </div>				
		Emacs	Calc	Gnus	Magit Cheatsheet	Org
		Emacs survival card	Dired	Gnus booklet	Magit Ref-card	Viper
<div> <div>➤ PEL Overview</div> <ul style="list-style-type: none"> PEL repo PEL Readme PEL Manual PEL NEWS  Discussions </div> <div> <ul style="list-style-type: none"> PEL license Emacs Mailing Lists Emacs project repo Contribute to Emacs </div>		<div> This table holds links to all other PEL topic oriented PDF table files (hosted on Github). </div> <div>  For the best user experience, use a browser that can render PDF directly instead of downloading: all PDFs are heavily hyperlinked. <ul style="list-style-type: none"> Mozilla Firefox (version > 78) does that perfectly. You may need to activate a plug-in for other browsers. </div> <div>  From within Emacs open this topic index PDF by typing the <f11> ? <f1> key sequence. More help topics with <f11> ? p keys. </div> <div>  The symbols, colour coding and various other conventions are described in the ➤Legend PDF. </div>				
<div>Terminal Multiplexers:</div> <div>GNU screen , Tmux</div> <div>Command Line Scripting</div> <div>Languages: bash, sh, zsh</div> <div> GNU readline, ls -l, ssh</div>	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	
OS Desktop Key Bindings 		 macOS Fct Keys	 macOS Keys	 Mint 20 Desktop Keys		 Ubuntu 16.04 Desktop Keys
(Bindings that don't clash with PEL)			 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
<div> ℥ Emacs Manual , Guided Tour of Emacs. </div> <div> <ul style="list-style-type: none"> Mastering Emacs , Awesome-Emacs MELPA and GNU ELPA </div> <div> 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. </div> <div> <ul style="list-style-type: none"> Emacs Keys Numeric Arguments </div> <div> You can also: </div> <div> <ul style="list-style-type: none"> Run Command by Name </div>		Cells link titles starting with only ℥ are Emacs generic features, blue links are external packages. The green links are mostly PEL extensions.				
		℥ Abbreviations	℥ Diff & Merge	℥ Grep	℥ Marking	℥ Scrolling
		℥ Align	℥ Dired	℥ Help/Info	℥ Menus	℥ Search/Replace
		℥ Auto-Completion	℥ Display - Lines	℥ Hide/Show	℥ Mode Line	℥ Sessions
		℥ Autosave/Backup	℥ Drawing	℥ Highlight (colors)	℥ Mouse	℥ start Shells/REPLs
		℥ Bookmarks	℥ Enriched Text	℥ ibuffer-mode	℥ Narrowing	℥ shell-mode
		℥ Buffers	℥ Execute Cmds	℥ Indentation	℥ Navigation	℥ term-mode
		℥ Case Conversions	℥ Exec Shell Cmds	℥ Input Method	℥ Object Files	eat-mode
		℥ Close/Suspend	℥ Faces/Fonts	℥ Inserting Text	℥ Outline	vterm-mode
		℥ Comments	℥P Fast Startup	℥ Key-Chords	℥ Packages	℥X Smartparens
		℥ Compilation Mode	℥ File Encoding	℥ Keyboard Macros	℥X Projectile	℥ Sorting
		℥ Completion/Input	℥ File-mngt	℥X - Lispy	℥ Recursive Edit	℥ Speedbar
		℥ Counting	℥ File/Dir Variables	Logging key strokes	℥ Rectangles	℥ Spell Checking
		℥M CUA	℥ Fill/Justify		℥ Registers	℥ SyntaxCheck
		℥ Cursor	℥ Frames			
		℥ Customize				
		℥ Cut & Paste				
℥X - Emacs Lisp concepts	& tools	℥ display-buffer	℥X - 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 & Preprocessor		℥ - CMake 	℥ - M4	℥ - Make gmake	℥ - Meson	℥ - Ninja
						℥ - Tup
Data Serialization & Modelling		Ⓓ CWL	Ⓓ YAML		Ⓔ ASN.1 asn1-mode	Ⓔ MIB snmp-mode
					Ⓔ YANG	
Other File Formats		℥ Changelog Files	Config/ini/toml... Files	RFC (RFC @ Wikipedia)	RPM Files  (spec file format)	SSH files 
Hardware Description Languages		℥bℓ - Verilog 	℥bℓ - VHDL 	 Language Server & Tools for HDL 		℥ X.509 Certificates
Lightweight Markup Languages		℥ AsciiDoc	℥ Markdown	℥ Org-Mode	℥ reStructuredText	
<ul style="list-style-type: none"> Graphics Markup 		℥ Graphviz Dot	℥ MscGen	℥ PlantUML		
<div>Programming Languages</div> <div>Main Paradigm of Programming Languages</div> <div> <ul style="list-style-type: none"> Actor Model: Ⓐ Array ⓧ Concatenative Ⓚ Concurrent: Ⓒ Domain Specific Ⓓ Dynamic <i>d</i> Extensible Ⓔ Functional: Ⓕ Pure: Ⓗ Generic Ⓖ Imperative: Ⓛ or no token Object Oriented Ⓢ Procedural Ⓟ Has Syntactic Macros: Ⓜ Multi-paradigm Reflective System Level Ⓢ </div> <div> <ul style="list-style-type: none"> 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. </div> <div> Future support for APL, Carbon, Crystal, Dart, Elm, Groovy, Haxe, Kotlin, Purescript, ReasonML, Scala, Typescript and documentation of support for Fortran, Javascript, Java, Modula, (based on my need for them or requests). </div>		Emacs has major mode support for several programming languages. PEL extends Emacs support for some of them (others are marked ).				
		BEAM Programming	Functional	Javascript target	Pascal-style syntax	Lisp-like Languages
		Curly Bracket	Java Virtual Machine	ML Family	Lisp Family	Scheme Dialects
						OS App Control
		℥ - Ada  ↗ Ⓢ	℥ - D Ⓛ Ⓕ Ⓐ	℥ - Gambit Ⓕ Ⓜ	℥ - Janet Ⓛ Ⓕ Ⓜ	℥ -Pascal
		℥  AppleScript	Dart 	℥ - Gerbil Ⓕ Ⓜ Ⓐ	℥ - Java 	℥ - Perl (perl5)
		APL 	℥ - Eiffel  Ⓢ Ⓢ	℥ - GNU Guile Ⓕ Ⓜ	℥ - Javascript 	℥ - Pike <i>d</i> Ⓛ Ⓢ Ⓢ
		℥ - Arc Ⓕ Ⓜ	℥ - Elm  Ⓗ	℥ - Gleam	℥ - Julia Ⓜ	℥ - Python <i>d</i> Ⓢ Ⓢ Ⓢ
		℥ - awk Ⓓ	℥ - Elixir Ⓢ Ⓜ Ⓕ Ⓐ	℥ - Go Ⓢ	Kotlin 	℥ - Purescript  Ⓗ
		℥ - C Ⓢ	℥X - Emacs Lisp	Groovy 	℥ - LFE Ⓢ Ⓜ Ⓕ Ⓐ	R  Ⓢ Ⓢ Ⓢ Ⓢ
		℥ - C++ Ⓢ Ⓢ	℥ - Erlang Ⓢ Ⓕ Ⓐ	℥ - Haskell Ⓗ	℥ - Lua Ⓕ Ⓢ Ⓢ	℥ - Racket Ⓕ Ⓜ
		Carbon  future Ⓢ	℥ - Factor Ⓢ Ⓕ Ⓢ Ⓢ	Haxe 	℥X -Modula	℥ - ReasonML 
		℥ - Chez Ⓕ Ⓜ	℥ - Forth Ⓢ	℥ - Hy (python) Ⓜ	℥ - NetRexx	℥ - REXX
		℥ - Chibi Ⓕ Ⓜ	Fortran 		℥ - Nim Ⓢ Ⓢ	℥ - Ruby
		℥ - Chicken Ⓕ Ⓜ			℥X -Objective-C 	℥ - Rust Ⓢ
		℥ - Clojure Ⓕ Ⓜ			℥ - OCaml Ⓛ Ⓕ	
		Common Lisp Ⓕ Ⓜ			℥ - Odin Ⓢ	
		Crystal 