PEL Topics Index

				Note: with PE	L, type < <u>f11> <f1></f1></u>	o open this PDF inde
Emacs Reference Cards			nglish version of the quic nese cards provide usefu		IU Emacs and popular of	external packages.
With PEL you can access these via the	Emacs	Calc	Gnus	Magit Cheatsheet	Org	Viper
See <u>∑ Help/Info</u>	Emacs survival card		Gnus booklet	Magit Ref-card	<u>ora</u>	VIP
DEL Overview			ach cell holds a hyperlin		aw PDF table	
► PEL Overview PEL repo 			that can render PDF dir			
PEL Readme PEL Manual			t perfectly. You may nee			
• PEL NEWS			ough all the PDFs and reaDF by typing the <f11></f11>		ormation quickly. . More help topics with <	(f11> ? p kevs.
• <u>Discussions</u>			her conventions are desc	* · ·	· · · · · · · · · · · · · · · · · · ·	
General Information.	≻Legend	≻Recommended Em	acs User Option	≻Themes		
Development Information	≻PEL	■iMenu/Speedbar support		■PEL Naming Conventions		
·		ilvienu/Speeubar s	<u>иррогі</u>	FEE Naming Conv.	endons	
Migration Guide	<u>≻CRiSP </u>					
OS Desktop Key Bindings (Bindings that don't clash with PEL)		<u> </u>	10 Ubuntu 16.04 Desk	top Keys		
		<u>≰ terminal settings</u>	erminal settings Mint 20 Desktop Keys			
	A Completion Modes	Compatibility	A Speedbor/iMonu I	Anda Compatibility	A Shalla/Tarminala C	amariaana
Feature Comparisons	Completion Modes	Compatibility	§ Speedbar/iMenu N		§ Shells/Terminals C	
Key Prefixes & Suffixes	∑ Modifier Keys		Numkeypad Numkeypad	<u>≻PEL</u>	Keys - Fn	Keys - F11
 Emacs Features A Guided Tour of Emacs Awesome-Emacs MELPA and GNU ELPA 	Cells link titles starting	with only ∑ are Emacs of	generic features, blue linl	ks are external packages	s. The green links are mo	stly PEL extensions.
	∑ Abbreviations	∑ Diff & Merge	<u>∑ Grep</u>	∑ Marking	∑ Scrolling	<u>∑ Tab Bar</u>
	∑ Align	<u>∑ Dired</u>	∑ Help/Info	<u>∑ Menus</u>	∑ Search/Replace	T Templates
he PEL tables named at right describe	∑ Auto-Completion	∑ Display - Lines	∑ Hide/Show	∑ Mode Line	∑ Sessions	∑ Text Modes
macs commands & key bindings for oncepts & features. The cell color is light-	∑ Autosave/Backup	∑ Drawing	E Highlight (colors)	<u>∑ Mouse</u>	∑ start Shells/REPLs	∑ Time Tracking
lue for major mode, light-red for minor mode	∑ Bookmarks	∑ Enriched Text	∑ ibuffer-mode	∑ Narrowing	∑ shell-mode	∑ Transpose text
macs commands can be executed by name r bound to key sequences. The commands	∑ Buffers	∑ Faces/Fonts	∑ Indentation	∑ Navigation	∑ term-mode	∑X Treemacs
nay have arguments and keys can express	∑ Case Conversions	∑P Fast Startup	∑ Input Method	∑ Outline	∑ vterm-mode	∑ Undo/Redo
nem. Emacs Keys	∑ Close/Suspend	∑ File-mngt	∑ Inserting Text	∑ Packages	∑X Smartparens	∑ VCS-Git XMagit
Numeric Arguments	∑ Comments	∑ File/Dir Variables	∑ Key-Chords	∑X Projectile	∑ Sorting	∑ VCS-Mercurial
ou can also: Run Command by Name	∑ Completion/Input		-		∑ Speedbar	∑ VCS-Subversion
macs uses a concept of modes:		∑ Fill/Justify	∑ Keyboard Macros	∑ Rectangles	•	
Emacs Major and Minor Modes	∑ Counting	<u>∑ Frames</u>	βί χ- Lispy	<u> </u>	∑ Spell Checking	<u>∑ Web</u>
Major Modes Minor Modes	<u>∑M CUA</u>				∑ SyntaxCheck	Whitespace ■ Whitespace Whitespace
Choosing Modes	<u>\(\tilde{\mathbb{L}}\) Cursor</u>					<u>∑ Windows</u>
PEL provides key sequences to toggle minor nodes.	<u>∑ Customize</u>					∑ Xref - Cross Re
	∑ Cut & Paste					
រុ <u>ធ្រ - Emacs Lisp</u> concepts & tools	<u>≴ display-buffer</u>	<u>≴* - ELisp Types</u>	<u>≴ ERT</u> (regr-testing)	<u>≴ Hooks</u>		
KRef - Cross Reference Tools See also: ∑ Xref	Emacs supports various cross reference mechanisms described in the Xref table. These mechanisms take advantage tools and integrate with them. Notes about those tools are available in the tables listed in this section.					e of various external
	Xref-Support	Xref-Backend				
PEL supports installation and partial setup of	PEL has support for se	veral build tools but the	y are not all documented	l in a page.		Command Line
he following tools:	• Nix Pequires	nix-mode external pac	kage 🔯 activated wh	en pel-use-nix-mode u	ser-option is tuned on.	Scripting Languages:
Build Tools & Preprocessor	• <u>Tup</u> Requires	s <u>tup-mode</u> external pa	ckage 🛂 activated wh	nen pel-use-tup user-op	tion is tuned on.	
	<u>ұл - М4</u>	BI - Make gmake				bash, sh, zsh
Data Serialization	© CWL	<u>©</u> <u>YAML</u>				Utility: GNU readlin
	S ASN.1 asn1-mode	S MIB snmp-mode	(\$) YANG			
Data Modelling/ Specification			<u>S TANG</u>			
Hardware Description Languages	Verilog #future	VHDL ##future				
Text Markup Languages	<u>M AsciiDoc</u>	<u>Markdown</u>	M Org-Mode	<u>M</u> reStructuredText		OS App Control Scripting Languag
Graphics Markup	M Graphviz Dot	M MscGen	M PlantUML			\$1€- AppleScript
Programming Languages	Emacs has major mode	support for soveral pro	parammina languagos. F	PEL currently adds ovtra	support for some of ther	n listed below
Main Paradigm of Programming Language Families	BEAM Programming Languages	Functional Languages	Javascript target	Lisp Family Languages	Lisp-like Languages	ii, listed below.
Actor Model: (A) Concatenative (K)	Curly Bracket	Java Virtual Machine	ML Family	Scheme Language	Stack Based	
• Concurrent: ©	Languages	Languages	Languages	<u>Dialects</u>	Languages	
 Functional: ① Pure: ② Imperative: ① or no token 		orogramming languages				
		a coarse indication of the	he programming languag			
• Object Oriented ∞			₿፲ - Gambit ெடு்	β ũ - Janet Û∫f m	Objective-C ##future	Scala ## future
	Ada future	<u>PI-D</u> (if A)	<u>pt - Gamble</u>	<u>pr-vance</u>		
• Object Oriented ∞		<u>BI - D</u> (i) (f) (A) Dart [™] future	PI - Gerbil (†mA)	Java ##future	<u>pι - OCaml</u> i∫f	<u>pι - Scheme</u> f
Object Oriented ∞ Has Syntactic Macros: The programming languages supported by	Ada ##future				<u>ap≀ - OCaml</u> i) f Pascal ##future	<u>%I - Scheme</u> f Seed7 # future
Object Oriented ∞ Has <u>Syntactic Macros</u> :	Ada future PI - Arc 🗇 🗇	Dart future	PI - Gerbil (†mA)	Java ##future	Pascal ##future	
Object Oriented co Has Syntactic Macros: The programming languages supported by PEL are listed here in alphabetical order. Emacs (and PEL) also provides basic support for other programming languages	Ada ₩ future PI - Arc	Dart ture Eiffel tuture \$\partial \text{Inture} \text{future} \text{F}	PI - Gerbil	Java ##future \$\text{PL} - Javascript ## \$\text{PL} - Julia	Pascal future Parl	Seed7 future Swift future
Object Oriented Has Syntactic Macros: The programming languages supported by PEL are listed here in alphabetical order. Emacs (and PEL) also provides basic	Ada ₩ future P (- Arc	Dart to future Eiffel to future \$\text{\$\Pi\$ - Elm to future } \text{\$\Pi\$}\$ \$\text{\$\Pi\$ - Elixir } \text{\$\Con^*(\Pi) \text{\$\Pi\$}\$}\$	pi - Gerbil (†m)A pi - GNU Guile (†m) pi - Gleam pi - Go	Java to ture \$\$\pi_t\$ - Javascript to the point of	Pascal future Pascal future Pascal future Pascal future	Seed7 ##future Swift ##future \$\psi - Tcl ##future (f)
Object Oriented Has Syntactic Macros: 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.	Ada ₩ future \$\mathbb{P} \cdot - Arc	Dart tuture Eiffel tuture PI - Elm tuture PI - Elixir © TA TAI - Emacs Lisp	PL - Gerbil	Java future \$\text{PL} - Javascript for the part - Julia} Kotlin future \$\text{PL} - LFE	Pascal imfuture \$\tilde{\pi}\left(-\text{Perl}\) \$\tilde{\pi}\left(-\text{Python}\) \$\tilde{\pi}\left(-\text{Purescript}\) \$\tilde{\psi}\left(-\text{Purescript}\) \$\tilde{\psi}\left(-\text{Purescript}\)	Seed7 tuture Swift tuture \$\mathbb{B}\tau - Tcl tuture \mathbb{C} \$\mathbb{B}\tau - Typescript tuture \mathbb{C}
• Object Oriented co • Has Syntactic Macros: 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	Ada ₩ future \$\mathbb{\text{PL} - Arc} \tag{\mathbb{\text{PM}}} \$\mathbb{\text{PL} - C++} \\ \$\mathbb{\text{PL} - Chez} \tag{\mathbb{\text{PM}}} \$\mathbb{\text{PL} - Chibi \tag{\mathbb{\text{PM}}} \$\mathbb{\text{PL} - Chibi \tag{\mathbb{\text{PM}}}	Dart to future Eiffel to future \$\text{\$\Pi\$ - Elm to future } \text{\$\Pi\$}\$ \$\text{\$\Pi\$ - Elixir } \text{\$\Con^*(\Pi) \text{\$\Pi\$}\$}\$	pi - Gerbil (†m)A pi - GNU Guile (†m) pi - Gleam pi - Go	Java to ture \$\$\pi_t\$ - Javascript to the point of	Pascal future Pascal future Pascal future Pascal future	Seed7 future Swift future \$\psi - Tcl future (f)
• Object Oriented co • Has Syntactic Macros: 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,	Ada ₩ future \$\mathbb{\text{PL} - Arc} \tag{\mathbb{\text{PM}}} \$\mathbb{\text{PL} - C++} \\ \$\mathbb{\text{PL} - Chez} \tag{\mathbb{\text{PM}}} \$\mathbb{\text{PL} - Chibi \tag{\mathbb{\text{PM}}} \$\mathbb{\text{PL} - Chibi \tag{\mathbb{\text{PM}}}	Dart tuture Eiffel tuture PI - Elm tuture PI - Elixir © TA TAI - Emacs Lisp	PL - Gerbil	Java future \$\text{PL} - Javascript for the part - Julia} Kotlin future \$\text{PL} - LFE	Pascal imfuture \$\tilde{\pi}\left(-\text{Perl}\) \$\tilde{\pi}\left(-\text{Python}\) \$\tilde{\pi}\left(-\text{Purescript}\) \$\tilde{\psi}\left(-\text{Purescript}\) \$\tilde{\psi}\left(-\text{Purescript}\)	Seed7 tuture Swift tuture \$\mathbb{B}\tau - Tcl tuture \mathbb{C} \$\mathbb{B}\tau - Typescript tuture \mathbb{C}
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• Object Oriented co • Has Syntactic Macros: 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, varient programming languages not listed here. Future support for Crystal, Elm, Kotlin, Lua, varient programming languages not listed here.	Ada future \$\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\	Dart the future Eiffel the future \$\text{\$\partial \color \text{Future}}\$\$ \$\text{\$\partial \color \color \text{Future}}\$\$ \$\$\partial \color \	PL - Gerbil (↑MA) PL - GNU Guile (↑M) PL - Gleam PL - Go Groovy future PL - Haskell (F) Haxe future	Java ##future \$\tilde{\Pi} \cdot - Javascript ## \$\tilde{\Pi} \cdot - Julia	Pascal future \$\tilde{\Pi} \cdot - Perl \$\tilde{\Pi} \cdot - Python \$\tilde{\Pi} \cdot - Purescript \$\tilde{\Pi} \cdot - Racket \$\tilde{\Pi} \cdot - ReasonML \cdot \text{\$\frac{\pi}{\Pi} \cdot \text{\$\Pi}	Seed7 tuture Swift tuture \$\pi - Tcl tuture (\bar{T}) \$\pi - Typescript tuture \$\pi - UNIX Shell \$\pi - V
The programming languages supported by PEL are listed here in alphabetical order. Emacs (and PEL) also provides basic support for other programming languages	Ada future \$\text{pl-Arc} \text{ fm} \$\text{pl-C} \$\text{pl-Chez} \text{ fm} \$\text{pl-Chibi} \text{ fm} \$\text{pl-Chicken} \text{ fm} \$\text{pl-Chicken} \text{ fm} \$\text{pl-Chicken} \text{ fm}	Dart tuture Eiffel tuture \$\text{\$\Pi\$ - Elm tuture}\$ \$\text{\$\Pi\$ L - Elixir} \text{\$\circ} \text{\$\Pi\$ A} \text{\$\frac{1}{2}\$} \text{\$\Pi\$ - Emacs Lisp} \$\text{\$\Pi\$ L - Erlang} \text{\$\circ} \text{\$\Pi\$ A} \text{\$\Finall Factor} \text{\$\Rightarrow (\Pi) - Emacs Lisp}	PL - Gerbil (↑MA) PL - GNU Guile (↑M) PL - Gleam PL - Go Groovy future PL - Haskell (F) Haxe future	Java ##future \$\tilde{\Pi} \cdot - Javascript ## \$\tilde{\Pi} \cdot - Julia	Pascal future \$\tilde{\Pi} \cdot - Perl \$\tilde{\Pi} \cdot - Python \$\tilde{\Pi} \cdot - Purescript \mathbb{F} \$\tilde{\Pi} \cdot - Racket \mathbb{F} \tilde{\Pi} \$\tilde{\Pi} \cdot - ReasonML \	Seed7 tuture Swift tuture \$\pi - Tcl tuture (f) \$\pi - Typescript tuture \$\pi - UNIX Shell \$\pi - V