

DrScheme Cheat Sheets: A Collection

Version 0.02

Hugh S. Myers hsmyers@gmail.com

2009.06.28 17.07.26

Abstract

I've been a happy user of Cheat Sheets for more than 30 years; so when I went to look for such things for DrScheme I was horrified to find out that there weren't any! This of course left me with no option but to create what I was looking for. The first sheet was based on *DrScheme: Plt Programming Environment*, version 4.2 by Robert Bruce Findler and PLT Scheme. This is essentially the Keyboard Shortcuts and the \LaTeX and \TeX keybindings. From e-conversations with Eli Barzilay came the idea for a second sheet covering the default bindings for DrScheme. Both of which have been combined with this cover sheet for one-stop-cheating! Note that each of the sheets can be printed out separately. Then they can either be tri-folded or laminated as desired by the user. Kinkos is your cheat sheet production center and of great help.

Thanks to Eli Barzilay

DrScheme Cheat Sheet (Emacs Binding)

Version 0.02 2009.06.24 22.47.14

Moving Around

- C-f: move forward one character
- C-b: move backward one character
- M-f: move forward one word
- M-b: move backward one word
- C-v: move forward one page
- M-v: move backward one page
- M-<: move to beginning of file
- M->: move to end of file
- C-a: move to beginning of line (left)
- C-e: move to end of line (right)
- C-n: move to next line (down)
- C-p: move to previous line (up)
- M-C-f: move forward one S-expression
- M-C-b: move backward one S-expression
- M-C-u: move up out of an S-expression
- M-C-d: move down into a nested S-expression
- M-C-SPACE: select forward S-expression
- M-C-p: match parentheses backward
- M-C-left: move backwards to the nearest editor box
- A-C-left: move backwards to the nearest editor box
- M-C-right: move forward to the nearest editor box
- A-C-right: move forward to the nearest editor box
- M-C-up: move up out of an embedded editor

- A-C-up: move up out of an embedded editor
- M-C-down: move down into an embedded editor
- A-C-down: move down into an embedded editor
- C-F6: toggle between definitions and REPL (search if open)

Editing Operations

- C-_: undo
- C-+: redo
- C-x u: undo
- C-d: delete forward one character
- C-h: delete backward one character
- M-d: delete forward one word
- M-h: delete backward one word
- M-DEL: delete backward one word
- C-k: delete forward to end of line
- M-C-k: delete forward one S-expression
- M-w: copy selection to clipboard
- C-w: delete selection to clipboard (cut)
- C-y: paste from clipboard (yank)
- C-t: transpose characters
- M-t: transpose words
- M-C-t: transpose S-expressions
- M-C-m: toggle dark green marking of matching parenthesis
- M-C-k: cut complete S-expression
- M-(: wrap selection in parentheses
- M-[: wrap selection in brackets

- M-{: wrap selection in braces
- M-S-L: wrap selection in (lambda () ...) and put the insertion point in the arglist of the lambda
- C-c C-o: the S-expression following the insertion point is put in place of its containing S-expression
- C-c C-e: the first and last characters(usually parentheses) of the containing expression are removed
- C-c C-l: wraps a let around the S-expression following the insertion point and puts a printf in at that point(useful for debugging).
- M-o: toggle over-write mode

File Operations

- C-x C-s: save file
- C-x C-w: save file as

Search

- C-s: search for string forward
- C-r: search for string backward

Miscellaneous

- F5: Run

Interactions Only

- M-p: bring the previously entered expression down to the prompt
- M-n: bring the expression after the current expression in the expression history down to the prompt

Kudos and brickbats(bug reports ☺) to
hsmyers@gmail.com

L^AT_EX and T_EX Inspired Keybindings

- C-\M-: traces backwards from the insertion point, looking for a backslash followed by a L^AT_EX macro name; if found, it replaces the backslash and macro name with the symbol character that the macro stands for.

Macro Names and Symbol Characters

- \Downarrow ↓
 - \nwarrow ↖
 - \downarrow ↓
 - \Rightarrow ⇒
 - \rightarrow →
 - \searrow ↘
 - \swarrow ↙
 - \leftarrow ←
 - \uparrow ↑
 - \leftarrow ←
 - \uparrow ↑
 - \Leftarrow ⇐
 - \longrightarrow →
 - \Uparrow ↑
 - \Leftrightarrow ⇔
 - \updownarrow ↓
 - \leftrightharrow ↔
 - \nearrow ↗
 - \Updownarrow ⇕
 - \aleph ℵ
 - \prime ′
 - \emptyset ∅
 - \nabla ∇
 - \diamondsuit ♦
 - \spadesuit ♠
 - \clubsuit ♣
 - \heartsuit ♥
 - \sharp ‡
 - \flat ♭
 - \natural ♮
 - \surd √
 - \neg ≠
 - \triangle △
 - \forall ∀
 - \exists ∃
 - \infty ∞
 - \circ ∘
 - \alpha α

- \theta θ
 - \tau τ
 - \beta β
 - \vartheta ϑ
 - \pi π
 - \upsilon υ
 - \gamma γ
 - \varpi ϖ
 - \phi φ
 - \delta δ
 - \kappa κ
 - \rho ρ
 - \varphi φ
 - \epsilon ε
 - \lambda λ
 - \varrho ϱ
 - \chi χ
 - \varepsilon ε
 - \mu μ
 - \sigma σ
 - \psi ψ
 - \zeta ζ
 - \nu ν
 - \varsigma ς
 - \omega ω
 - \eta η
 - \xi ξ
 - \Gamma Γ
 - \Lambda Λ
 - \Sigma Σ
 - \Psi Ψ
 - \Delta Δ
 - \Xi Ξ
 - \Upsilon Υ
 - \Omega Ω
 - \Theta Θ
 - \Pi Π
 - \Phi Φ
 - \pm ±
 - \cap ∩
 - \diamond ♦
 - \oplus ⊕
 - \mp ∓
 - \cup ∪
 - \bigtriangleup △
 - \ominus ∘
 - \times ×
 - \uplus ⊕
 - \bigtriangledown ▽
 - \otimes ⊗
 - \div ÷
 - \sqcap ⊓
 - \triangleleft ◁

- \oslash ⊘
 - \ast *
 - \sqcup ⊔
 - \vee ∨
 - \wedge ∧
 - \triangleright ▷
 - \odot ⊙
 - \star ★
 - \dagger †
 - \bullet •
 - \ddagger ‡
 - \wr ℳ
 - \amalg ≍
 - \leq ≤
 - \geq ≥
 - \equiv ≡
 - \models ⊨
 - \prec ≺
 - \succ ≻
 - \sim ∼
 - \perp ⊥
 - \preceq ≼
 - \succeq ≽
 - \simeq ≈
 - \ll ≪
 - \gg ≫
 - \asymp ∽
 - \parallel ∥
 - \subset ⊂
 - \supset ⊃
 - \approx ≈
 - \bowtie ⋈
 - \subseteq ⊆
 - \supseteq ⊇
 - \cong ≅
 - \sqsubset ⊏
 - \sqsupset ⊐
 - \neq ≠
 - \smile ☺
 - \sqsubseteq ⊑
 - \sqsupseteq ⊒
 - \doteq ≐
 - \frown ☹
 - \in ∈
 - \ni ∋
 - \propto ∝
 - \vdash ⊢
 - \dashv ⊣
 - \skull ☠
 - \smiley ☺
 - \blacksmiley ☹
 - \frownie ☹

DrScheme Cheat Sheet (Default Binding)

Version 0.02 2009.06.28 17.07.26

Moving Around

- `→` move forward one character
- `←` move backward one character
- `Ctrl →` move forward one word
- `Ctrl ←` move backward one word
- `Ctrl-↑ Page Up` move to previous page
- `Ctrl-↓ Page Down` move to next page
- `Ctrl-Home` move to beginning of file
- `Ctrl-End` move to end of file
- `Home` move to beginning of line
- `End` move to end of line
- `↓` move to next line
- `↑` move to previous line

Menu Mappings

- `Alt-v Alt-Shift-v` (View menu)
- `Alt-c Alt-Shift-c` (Scheme menu)
- `Alt-e Alt-Shift-e` (Edit menu)
- `Alt-f Alt-Shift-f` (File menu)
- `Alt-h Alt-Shift-h` (Help menu)
- `Alt-i Alt-Shift-i` (Insert menu)
- `Alt-l Alt-Shift-l` (Language menu)

Key Mappings

- `[` (rewrite-square-paren)
- `]` (rewrite-square-paren)
- `)] }` (balance-parens)
- `⌘ Right Button` (mouse-popup-menu)
- `Alt-y` (paste-next)
- `Ctrl-\` (Insert λ)
- `Ctrl-]` (non-clever-close-square-bracket)
- `Ctrl-)` (non-clever-close-curley-bracket)

- `Ctrl-)` (non-clever-close-round-paren)
- `Ctrl-+` (redo)
- `Ctrl-/` (Complete Word)
- `Ctrl-=` (New Tab)
- `Ctrl-Shift-g` (Find Previous)
- `Ctrl-Shift-left Esc,Shift-b Alt-Shift-b` (backward-select-word)
- `Ctrl-Shift-m` (Collapse)
- `Ctrl-Shift-r` (Hide Replace)
- `Ctrl-Shift-right Esc,Shift-f Alt-Shift-f` (forward-select-word)
- `Ctrl-[` (non-clever-open-square-bracket)
- `Ctrl-_` (undo)
- `Ctrl-a` (Select All)
- `Ctrl-b` (Ask the Program to Quit)
- `Ctrl-c` (Copy)
- `Ctrl-d` (Hide Definitions)
- `Ctrl-down Esc,n Alt-n` (put-next-sexp)
- `Ctrl-e` (Hide Interactions)
- `Ctrl-end Esc,> Alt->` (end-of-file)
- `Ctrl-F6` (shift-focus)
- `Ctrl-f` (Find)
- `Ctrl-g` (Find Next)
- `Ctrl-h` (delete-previous-character)
- `Ctrl-home Esc,< Alt-<` (beginning-of-file)
- `Ctrl-i` (Reindent All)
- `Ctrl-insert Esc,w Alt-w` (copy-clipboard)
- `Ctrl-j` (newline)
- `Ctrl-k` (Force the Program to Quit)
- `Ctrl-l` (Choose Language...)
- `Ctrl-left Esc,b Alt-b` (backward-word)
- `Ctrl-m` (Split)
- `Ctrl-n` (New)
- `Ctrl-o` (Open...)
- `Ctrl-p` (Print Definitions...)
- `Ctrl-pagedown Ctrl-tab` (next-tab)
- `Ctrl-pageup Ctrl-Shift-tab` (prev-tab)
- `Ctrl-q` (Exit)
- `Ctrl-r` (Replace)
- `Ctrl-return Esc,Ctrl-return Esc,return Esc,Shift-Ctrl-return Alt-return Alt-Shift-return return Shift-Ctrl-return Shift-return` (do-return)
- `Ctrl-s` (Save Definitions)
- `Ctrl-semicolon` (Preferences...)
- `Ctrl-space` (toggle-anchor)
- `Ctrl-t` (Run)
- `Ctrl-u` (Show Program Contour)
- `Ctrl-up Esc,p Alt-p` (put-previous-sexp)
- `Ctrl-v` (Paste)
- `Ctrl-w` (Close)
- `Ctrl-x` (Cut)
- `Ctrl-y` (Redo)
- `Ctrl-z` (Undo)
- `Esc," Alt-"` (insert-""-pair)
- `Esc,| Alt-|` (insert-||-pair)
- `Esc,(Alt-(` (insert()-pair)
- `Esc,0 Alt-0` (command-repeat-0)
- `Esc,1 Alt-1` (command-repeat-1)
- `Esc,2 Alt-2` (command-repeat-2)
- `Esc,3 Alt-3` (command-repeat-3)
- `Esc,4 Alt-4` (command-repeat-4)
- `Esc,5 Alt-5` (command-repeat-5)
- `Esc,6 Alt-6` (command-repeat-6)
- `Esc,7 Alt-7` (command-repeat-7)
- `Esc,8 Alt-8` (command-repeat-8)
- `Esc,9 Alt-9` (command-repeat-9)
- `Esc,Ctrl-down` (down-into-embedded-editor)
- `Esc,Ctrl-left` (back-to-prev-embedded-editor)
- `Esc,Ctrl-right` (forward-to-next-embedded-editor)

- `Esc, Ctrl-space`
`Esc, Shift-Ctrl-f`
`Esc, Shift-right`
`Alt-Shift-right`
(select-forward-sexp)
- `Esc, Ctrl-up`
(up-out-of-embedded-editor)
- `Esc, Shift-Ctrl-b`
`Esc, Shift-left` `Alt-Shift-left`
(select-backward-sexp)
- `Esc, Shift-Ctrl-down`
`Esc, Shift-down` `Alt-Shift-down`
(select-down-sexp)
- `Esc, Shift-Ctrl-n`
(flash-forward-sexp)
- `Esc, Shift-l` `Alt-Shift-l`
(insert-lambda-template)
- `Esc, Shift-up` `Alt-Shift-up`
(select-up-sexp)
- `Esc, Shift-v`
`Shift-Ctrl-up` `Shift-pageup`
(select-page-up)
- `Esc, [` `Alt-[` (insert-[]-pair)
- `Esc, {` `Alt-{` (insert-{}-pair)
- `Esc, c` `Alt-c` (capitalize-word)
- `Esc, del` `Alt-del`
(backward-kill-word)
- `Esc, down` `Alt-down` (down-sexp)
- `Esc, f` `Alt-f` (forward-word)
- `Esc, g` `Alt-g` (goto-line)
- `Esc, l` `Alt-l` (downcase-word)
- `Esc, left` `Alt-left`
(backward-sexp)
- `Esc, right` `Alt-right`
(forward-sexp)
- `Esc, space` `Alt-space`
(collapse-space)
- `Esc, t` `Alt-t` (transpose-words)
- `Esc, u` `Alt-u` (upcase-word)
- `Esc, up` `Alt-up` (up-sexp)
- `Esc, v` `Alt-v` `pageup`
(previous-page)
- `Shift-Ctrl-b` `Shift-left`
(backward-select)
- `Shift-Ctrl-down` `Shift-Ctrl-v`
`Shift-pagedown`
(select-page-down)
- `Shift-Ctrl-e` `Shift-end`
(select-to-end-of-line)
- `Shift-Ctrl-end`
(select-to-end-of-file)
- `Shift-Ctrl-f` `Shift-right`
(forward-select)
- `Shift-Ctrl-home`
(select-to-beginning-of-file)
- `Shift-Ctrl-n` `Shift-down`
(select-down)
- `Shift-Ctrl-p` `Shift-up`
(select-up)
- `Shift-delete` (cut-clipboard)
- `Shift-delete` (cut-clipboard)
- `Shift-home`
(select-to-beginning-of-line/prompt)
- `Shift-insert` (paste-clipboard)
- `TAB` (tabify-at-caret)
- `del` (delete-key)
- `down` (next-line)
- `end` (end-of-line)
- `F1` (search-help-desk)
- `F3` (unhide search and toggle focus)
- `F5` (Run)
- `F6` (check syntax)
- `home` (beginning-of-line/prompt)
- `insert` `Alt-o` (toggle-overwrite)
- `left` (backward-character)
- `leftbuttondouble`
(select-click-word)
- `leftbuttontriple`
(select-click-line)
- `pagedown` (next-page)
- `right` (forward-character)
- `up` (previous-line)
- `Alt-Ctrl-\` (TeX compress)

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