VIM QUICK REFERENCE CARD

`:viusage` . . . . Show a summary of all commands

Movements

`h l k j` . . . . character left, right; line up, down
`b w` . . . . word/token left, right
`ge e` . . . . end of word/token left, right
`{ }` . . . . beginning of previous, next paragraph
`( )` . . . . beginning of previous, next sentence
`0 ^ $` . . . . beginning, first, last character of line
n`G` n`gg` . . . . line n, default the last, first
n`|` . . . . column n of current line
`%` . . . match of next brace, bracket, comment, `#define`
`- +` . . . . line up, down on first non-blank character
`B W` . . . . space-separated word left, right
`gE E` . . . . end of space-separated word left, right
`g0 gm` . . . . beginning, middle of *screen* line
`g^ g$` . . . . first, last character of *screen* line
`f`c `F`c . . . . next, previous occurence of character c
`t`c `T`c . . . . before next, previous occurence of c

Insertion & Replace → insert mode

`i a` . . . . insert before, after cursor
`I A` . . . . insert at beginning, end of line
`gI` . . . . insert text in first column
`o O` . . . . open a new line below, above the current line
`r`c . . . . replace character under cursor with c
`gr`c . . . . like `r`, but without affecting layout
`R` . . . . replace characters starting at the cursor
`gR` . . . . like `R`, but without affecting layout
`c`m . . . . change text of movement command m
`cc` *or* `S` . . . . change current line
`C` . . . . change to the end of line

Deletion

`x X` . . . . delete character under, before cursor
`d`m . . . . delete text of movement command m
`dd D` . . . . delete current line, to the end of line
`J gJ` . . . . join current line with next, without space
`:`r`d` . . . . delete range r lines
`:`r`d`x . . . . delete range r lines into register x

Insert Mode

`^V`c `^V`n . . . . insert char c literally, decimal value n
`^A` . . . . insert previously inserted text
`^@` . . . . . same as `^A` and stop insert → command mode
`^R`x `^R^R`x . . . . insert content of register x, literally
`^N ^P` . . . . text completion before, after cursor
`^W` . . . . delete word before cursor
`^U` . . . . delete all inserted character in current line
`^D ^T` . . . . shift left, right one shift width
`^K`$c_1 c_2$ *or* c_1`←`c_2 . . . . enter digraph $\{c_1, c_2\}$
`^O`c . . . . execute c in temporary command mode
`^X^E ^X^Y` . . . . scroll up, down
$\langle esc \rangle$ *or* `^[` . . . . abandon edition → command mode

Search & Substitution

`/`s`←` `?`s`←` . . . . search forward, backward for s
`/`s`/`o`←` `?`s`?`o`←` . . . . . search fwd, bwd for s with offset o
`n` *or* `/←` . . . . repeat forward last search
`N` *or* `?←` . . . . repeat backward last search
`# *` . . search backward, forward for word under cursor
`g# g*` . . . . same, but also find partial matches
`gd gD` . . local, global definition of symbol under cursor
`:`r`s/`f`/`t`/`x . . . . substitute f by t in range r
$\lfloor x$: `g`—all occurrences, `c`—confirm changes
`:`r`s` x . . . . repeat substitution with new r & x
`:`r`g/`p`/`c . . . . execute *Ex* c on range r where p matches

Standard Mode Formatting/Filtering

Leave out m for visual mode commands
`gq`m `gqgq` . . . format movement m/current paragraph
`:`r`ce` w . . . . center lines in range r to width w
`:`r`le` i . . . . left align lines in range r with indent i
`:`r`ri` w . . . . right align lines in range r to width w
`!`$m$$c$`←` . filter lines of movement m through command c
n`!!`c`←` . . . . filter n lines through command c
`:`r`!`c . . . . filter range r lines through command c
`~` . . . . switch case and advance cursor
`g~`m . . . . switch case of movement command m
`gu`m `gU`m . . lowercase, uppercase text of movement m
`<`m `>`m . . . . shift left, right text of movement m
n`≪` n`≫` . . . . shift n lines left, right

Visual Mode

`v V ^V` . start/stop highlighting characters, lines, block
`o` . . exchange cursor position with start of highlighting
`gv` . . . . start highlighting on previous visual area
`aw as ap` . . . . . . select a word, a sentence, a paragraph
`ab aB` . . . . select a block ( ), a block { }
n`>` n`<` `=` . . . . indent/unindent n levels, reindent

Undoing, Repeating & Registers

`u U` . . . . . undo last command, restore last changed line
`. ^R` . . . . repeat last changes, redo last undo
n`.` . . . . . . repeat last changes with count replaced by n
`q`c `q`C . . record, append typed characters in register c
`q` . . . . stop recording
`@`c . . . . execute the content of register c
`@@` . . . . repeat previous `@` command
`:@`c . . . . execute register c as an *Ex* command

Copying

`"`x . . . . use register x for next delete, yank, put
`:reg` . . . . show the content of all registers
`:reg` x . . . . show the content of registers x
`y`m . . . . yank the text of movement command m
`yy` *or* `Y` . . . . yank current line into register
`p P` . . . . put register after, before cursor position
`]p [p` . . . . like `p`, `P` with indent adjusted
`gp gP` . . . . like `p`, `P` leaving cursor after new text

Patterns (differences to Perl)

`:help pattern` . . . . . . show complete help on patterns
`\< \>` . . . . start, end of word
`\i \k \I \K` . . . . . . an identifier, keyword; excl. digits
`\f \p \F \P` . a file name, printable char.; excl. digits
`\e \t \r \b` . . . . $\langle esc\rangle$, $\langle tab\rangle$, $\langle←\rangle$, $\langle←\rangle$
`\= * \+` . . . match 0..1, 0..∞, 1..∞ of preceding atoms
`\{`n,m`}` . . . . match n to m occurrences
`\{-}` . . . . non-greedy match
`\|` . . . . separate two branches ($\equiv$ *or*)
`\( \)` . . . . group patterns into an atom
`\& \1` . . . . the whole matched pattern, 1st () group
`\u \l` . . . . upper, lowercase character
`\c \C` . . . . ignore, match case on next pattern
`\%x` . . . . match hex character

`\@= \@!` ....(?=pattern) (?!pattern)
`\@<= \@<!` ....(?<=pattern) (?<!pattern)
`\@>` .... (?>pattern)
`\_^ \_$` . start-of-line/end-of-line, anywhere in pattern
`\_.` .... any single char, including end-of-line
`\zs \ze` .... set start/end of pattern
`\%^ \%$` .... match start/end of file
`\% V` .... match inside visual area
`\'m` .... match with position of mark m
`\%(\)` .... unnamed grouping
`\_[ ]` .... collection with end-of-line included
`\%[ ]` ....sequence of optionally matched atoms

Spell Checking
`:set spell spelllang=de_20` ....activate spellcheck
`]s` .... next misspelled word
`zg zG` ....add good word (to internal word list)
`zw zW` ....mark bad word (to internal word list)
`z=` ....suggest corrections

Marks and Motions
`mc` .... mark current position with mark $c \in [a..Z]$
`'c 'C` ....go to mark c in current, C in any file
`'0..9` ....go to last exit position
`'' '"` ....go to position before jump, at last edit
`'[ ']` ....go to start, end of previously operated text
`:marks` .... print the active marks list
`:jumps` .... print the jump list
n`^O` ....go to n^{th} older position in jump list
n`^I` ....go to n^{th} newer position in jump list

Tags
`:ta` t ....jump to tag t
`:n`ta .... jump to n^{th} newer tag in list
`^]` `^T` ..jump to the tag under cursor, return from tag
`:ts` t ......list matching tags and select one for jump
`:tj` t ...jump to tag or select one if multiple matches
`:tags` .... print tag list
`:n`po `:n`^T ....jump back from, to n^{th} older tag
`:tl` .... jump to last matching tag
`^W}` `:pt` t .... preview tag under cursor, tag t
`^W]` ....split window and show tag under cursor
`^Wz` or `:pc` ....close tag preview window

Multiple Files / Buffers (↩)
`:tab ball` ....show buffer tablist
`:buffers` ....show list of buffers
`:buffer n` ....switch to buffer n
`:badd f.txt` .... load file into new buffer
`:bdelete n` ...... delete buffer n (also with filename)
`:bnext :bprev :bfirst :blast` ...buffer movement

Scrolling & Multi-Windowing
`^D ^U` .... scroll half a page up, down
`^F ^B` .... scroll page up, down
`zt zz zb` ..current line to top, center, bottom of win.
`zh zl` ....scroll one character to the right, left
`zH zL` ....scroll half a screen to the right, left
`:split :vsplit` ....split window in two (vert.)
`:new :vnew` ....create new empty windowi (vert.)
`:on` ....make current window one on screen
`^Wj ^Wk` ....move to window below, above
`^Ww ^W^W` .... move to window below, above (wrap)
`^W`n`+ ^W`n`-` .. Increase/decrease window size by n lines
`^W`n` > ^W`n` <` ....Increase/decrease window width

Misc Ex Commands (↩)
`:help holy-grail` ....show all Ex commands
`:e` f .... edit file f, reload current file if no f
`:r`w f .....write range r to file f (current file if no f)
`:r`w≫f ....append range r to file f
`:q :q!` ..quit and confirm, quit and discard changes
`:wq` or `:x` or `ZZ` ....write to current file and exit
`:r` f ....insert content of file f below cursor
`:r!` c ...... insert output of command c below cursor
`:r`c a `:r`m a ....copy, move range r below line a

Ex Ranges
`, ;` ......separates two lines numbers, set to first line
n ....an absolute line number n
`. $` ....the current line, the last line in file
`% *` ....entire file, visual area
`'`t ....position of mark t
`/p/ ?p?` .... the next, previous line where p matches
`+n -n` ....+n, −n to the preceding line number

Folding
`:set fmt=indent` ....indent-foldmethod
`zf`m ....create fold of movement m
`:r`fo .... create fold for range r
`zd zE` ....delete fold at cursor, all in window
`zo zc zO zC` ....open, close one fold; recursively
`[z ]z` .... move to start, end of current open fold
`zj zk` ....move down, up to start, end of next fold
`zm zM` ....fold more, close all folds
`zr zR` .... fold less, open all folds
`zn zN zi` ....fold non, fold normal, invert folding
`:set foldcolumn=4` ....show foldcolumn

Compiling
`:compiler` c .... set/show compiler plugins
`:make` ....run `makeprg`, jump to first error
`:cope` ....navigate errors from make
`:cn :cp` ....display the next, previous error
`:cl :cf` ....list all errors, read errors from file

Miscellaneous
`:sh :!`c ..... start shell, execute command c in shell
`K` ....run `keywordprg` (man) on word under cursor
`^L` ....redraw screen
`^G` ...show cursor column, line, and character position
`:set cuc` ....show cursor column visually
`ga` ....show ASCII value of character under cursor
`gf` .... open file which filename is under cursor
`:mkview` $[f]$ ....save view configuration [to file f]
`:loadview` $[f]$ ...load view configuration [from file f]
`:set ff=dos` ....convert file to dos eol format
`:e ++ff=unix` ....reopen file in unix eol format
`:set hlsearch` ....highlight searches
`:r`hardcopy > file.ps ....print range to ps file