TEXDraw V3.0 Commands Cheatsheet
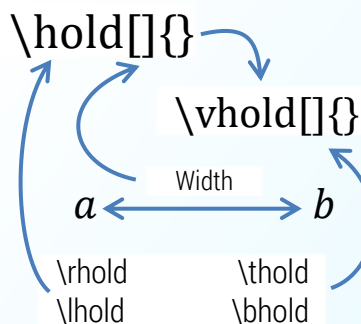
Give a blank area in given width/height and fill it with expression if necessary

\hold[]{}

\vhold[]{}

Width

$a \longleftrightarrow b$

\rhold \thold
\lhold \bhold

− Braces {} is optional− Typing [width] is required − \hold make a horizontal space between two character − while \vhole make vertical space − Fill the gap with expression − If expression is delimiter, it'll fill entire space.

Create a root sign over expression

\root[]{}

$Degree\sqrt{Base}$

− Braces {} is optional − Typing [degree] is optional − Root sign (√) can be replaced by other delimiter by typing \symbolname in [degree]

Combine two expression into fraction

\frac{}{}

\[n | l | r]frac

$$\frac{Numerator}{Denominator}$$

\nfrac
\lfrac
\rfrac
\nlfrac
\nrfrac

− Braces {} is **not** optional − \nfrac will make fraction without line -- \rfrac will align fraction to right, or left. − Space between Numerator & Denominator can set up in Preference

Give a superscript/subscript effect to selected expression

Base^supscript_subscript

− Braces on scripts {} is optional − Base is optional (can empty) − Nested script is supported

$Base^{supscript}_{subscript}$

Make an expression on/under another expression

Base^^above__under

$Base \Longrightarrow$

− Braces on scripts {} is optional − if Above/Under is a delimiter, then It'll expand to Base's width.

-- A delimiter is a character that can grow indefinitely …

$$\left(\left\langle \left\{ \left(\left[a \right] \right) \right\} \right\rangle \right)$$

-- It is very common in conjunction with math expression − It can grow either vertically or horizontally − Vertical delimiter (like above) can be rotated clockwise if it need to be treated as horizontal delimiter.

Give a straight line in given expression

\not

\hnot \dnot

\unot \onot

\not \hnot

\vnot \vnnot

[yoffset]{expression}

[L-R]{expression}

− Braces {} is optional − Offset [] is optional − \nfrac will make fraction without line -- \rfrac will align fraction to right, or left. − Space between Numerator & Denominator can set up in Preference

Combine multiple expression in grid-matrix style

\matrix{}   \vmatrix{} $\begin{pmatrix} A & B \\ C & D \end{pmatrix}$

(\matrix{A&B|C&D})   (\vmatrix{A|C&B|D})

− Braces {} is optional − '&' separate by column − '|' separate by row -- \matrix fills row-by-row -- \vmatrix fills column-by-column

Create matrix with outline borders (table)

\table[]{}   [000000]   Border widths

\[v | c | l | r]table   H   V

− Braces {} is optional − [borderwidth] is optional (default is 111111) − max [borderwidth] is 221221 − alignment can be set up with c/l/r option − outer margin will given if necessary

TEXDraw V3.0 Commands Cheatsheet

Modify paragraph-wide spacing, kerning, alignment, margin, and other…

\meta [option=value …]
[@s-option=value …]

Options:

font	f	kern	k
size	s	lead	l
align	x	line	h
left	b	space	n
right	r	para	p

− Input value with numbers, except align, which have option l,c,r. − Separate multiple option by space (optional). − Equal sign is optional − type @ at beginning make using of shorthands. − all option must lowercase − Meta is special, works in and effecting current paragraph and below -- \meta[] (with no option) will reset values to default − All values relative to given size (except size itself)

Change output scale of selected expression

\size [scale]{expression}

[scale-yoffset]{expression}

− Braces {} is optional − Scale of 1 (default) doesn't scale anything − yOffset (optional) shift expression vertically

Trigger an event when user clicked selected expression (aka. Hyperlink)
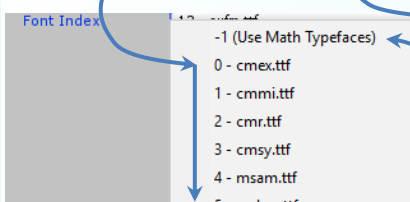
\link [key]{expression}

\ulink

− Braces {} is optional − [key] is Optional − Link triggers event when user press selected expression − Link is useless without it's companion, TEXLink component. − \ulink will give underlined style so I'll looklike a hyperlink − Selected expression can't be wordwrapped

Change font texture and styling of selected expression

\<fontname> [style]{expression}

[] - [b] − [i] − [bi]

\math

Font Index

-1 (Use Math Typefaces)
0 - cmex.ttf
1 - cmmi.ttf
2 - cmr.ttf
3 - cmsy.ttf
4 - msam.ttf
5 - msbm.ttf

− Braces {} is optional. − Style is optional (default is remain unchanged) − example of \<fontname>: \cmss \cmr \cmbx. -- \math return back to default (math typeface)

Change output color of selected expression

\color
\clr \mclr

[html-color]{expression}

cyan − (HTML Name)   D − (Console color)
#00ffff   00ffff
#0ff   0ff

− Braces {} is optional. − [color] is optional (default is white) − \color will replace RGB, but mixing Alpha -- \clr will overwrite RGBA -- \mclr will mix all RGBA − Possible HTML names follow Unity conventions

Do 3D Transformation on selected expression (individually or by median pivot)

\trs, [transform]{expression}

\mtrs [T|R|S]'Z'   [T|R|S]'X','Y','Z'

− Braces {} is optional − specific command TRS need to given before Z/XYZ values − XYZ need to be separated by comma, but brackets () aren't required− multiple transformation can be given without separator (or spaces) -- \mtrs place pivot in median of selected rather than individually.

-- Nearly all braces {} is optional…

ⓘ \cmr{A \cmmi{Bright \cmbx{Bold \link{color}}}} in Townland

Is equal with

\cmr A \cmmi Bright \cmbx Bold \link color} in Townland

− Multiple braces can be stopped with } if they don't begin with { -- Without {, all white-space after it will be skipped − All kinds of command (except \meta) always break at the end of line