Technical details on texvcjs

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Chapter 1

Technical details on texvc identifier extraction

1.1 Introduction

This chapter describes which mathematical symbols are identified as identifiers. In general every single Latin letter [a-zA-Z] is regarded as identifier. In addition, we accept multi-letter-subscripts that match [0-9a-zA-Z]+, such as a_0 but also ε_{ijk}. Moreover, the Literals described in section 1.2, and the Identifier variants (section 1.3) are supported.

1.2 Literals

The following literals are supported:

`\Bbbk` is rendered as $\Bbbk$

`\Delta` is rendered as Δ

`\Finv` is rendered as $\Finv$

`\Game` is rendered as $\Game$

`\Gamma` is rendered as Γ

`\Lambda` is rendered as Λ

`\Omega` is rendered as Ω

`\P` is rendered as $\P$

\Phi is rendered as Φ

\Pi is rendered as Π

\Psi is rendered as Ψ

\S is rendered as §

\Sigma is rendered as Σ

\Theta is rendered as Θ

\Xi is rendered as Ξ

\aleph is rendered as $\aleph$

\alpha is rendered as α

\amalg is rendered as $\amalg$

\backepsilon is rendered as $\backepsilon$

\beta is rendered as β

\beth is rendered as $\beth$

\chi is rendered as χ

\complement is rendered as $\complement$

\daleth is rendered as $\daleth$

\delta is rendered as δ

\digamma is rendered as $\digamma$

\ell is rendered as ℓ

\epsilon is rendered as ϵ

\eta is rendered as η

\eth is rendered as $\eth$

\flat is rendered as $\flat$

\gamma is rendered as γ

\gimel is rendered as $\gimel$

\hslash is rendered as $\hslash$

\imath is rendered as $\imath$

\intercal is rendered as ⊺

\iota is rendered as ι

\jmath is rendered as $\jmath$

\kappa is rendered as κ

\lambda is rendered as λ

\mho is rendered as ℧

\mu is rendered as μ

\natural is rendered as ♮

\nu is rendered as ν

\omega is rendered as ω

\phi is rendered as ϕ

\pi is rendered as π

\pitchfork is rendered as ⋔

\psi is rendered as ψ

\rho is rendered as ρ

\sigma is rendered as σ

\tau is rendered as τ

\theta is rendered as θ

\top is rendered as ⊤

\varepsilon is rendered as ε

\varkappa is rendered as $\varkappa$

\varnothing is rendered as ∅

\varphi is rendered as φ

\varpi is rendered as ϖ

\varrho is rendered as ϱ

\varsigma is rendered as ς

\vartheta is rendered as ϑ

`\wp` is rendered as $\wp$

`\xi` is rendered as ξ

`\zeta` is rendered as ζ

1.3 Identifier variants

The following variants are supported[1]:

`\Bbb` applied on x, X is rendered as $\Bbbx, \BbbX$

`\acute` applied on x, X is rendered as $\acute{x}, \acute{X}$

`\bar` applied on x, X is rendered as $\bar{x}, \bar{X}$

`\bcancel` applied on x, X is rendered as $\bcancel{x}, \bcancel{X}$

`\bmod` applied on x, X is rendered as $\bmod x$, $\bmod X$

`\bold` applied on x, X is rendered as $\mathbf{x}, \mathbf{X}$

`\boldsymbol` applied on x, X is rendered as $\boldsymbol{x}, \boldsymbol{X}$

`\breve` applied on x, X is rendered as $\breve{x}, \breve{X}$

`\cancel` applied on x, X is rendered as $\cancel{x}, \cancel{X}$

`\check` applied on x, X is rendered as $\check{x}, \check{X}$

`\ddot` applied on x, X is rendered as $\ddot{x}, \ddot{X}$

`\dot` applied on x, X is rendered as $\dot{x}, \dot{X}$

`\emph` applied on x, X is rendered as x, X

`\grave` applied on x, X is rendered as $\grave{x}, \grave{X}$

`\hat` applied on x, X is rendered as $\hat{x}, \hat{X}$

`\mathbb` applied on x, X is rendered as $\mathbbx, \mathbbX$

`\mathbf` applied on x, X is rendered as $\mathbf{x}, \mathbf{X}$

`\mathbin` applied on x, X is rendered as x, X

`\mathcal` applied on x, X is rendered as $, \mathcal{X}$

`\mathclose` applied on x, X is rendered as x, X

[1] Note that `\mathcal` is not available for lowercase Latin letters.

\mathfrak applied on x, X is rendered as $\mathfrak{x}, \mathfrak{X}$

\mathit applied on x, X is rendered as x, X

\mathop applied on x, X is rendered as x, X

\mathopen applied on x, X is rendered as x, X

\mathord applied on x, X is rendered as x, X

\mathpunct applied on x, X is rendered as $x\,, X$

\mathrel applied on x, X is rendered as x, X

\mathrm applied on x, X is rendered as x, X

\mathsf applied on x, X is rendered as x, X

\mathtt applied on x, X is rendered as $\mathtt{x}, \mathtt{X}$

\overleftarrow applied on x, X is rendered as $\overleftarrow{x}, \overleftarrow{X}$

\overleftrightarrow applied on x, X is rendered as $\overleftrightarrow{x}, \overleftrightarrow{X}$

\overline applied on x, X is rendered as $\overline{x}, \overline{X}$

\overrightarrow applied on x, X is rendered as $\overrightarrow{x}, \overrightarrow{X}$

\textbf applied on x, X is rendered as $\mathbf{x}, \mathbf{X}$

\textit applied on x, X is rendered as x, X

\textrm applied on x, X is rendered as x, X

\textsf applied on x, X is rendered as x, X

\texttt applied on x, X is rendered as $\mathtt{x}, \mathtt{X}$

\tilde applied on x, X is rendered as $\tilde{x}, \tilde{X}$

\underline applied on x, X is rendered as $\underline{x}, \underline{X}$

\vec applied on x, X is rendered as $\vec{x}, \vec{X}$

\widehat applied on x, X is rendered as $\widehat{x}, \widehat{X}$

\widetilde applied on x, X is rendered as $\widetilde{x}, \widetilde{X}$

\xcancel applied on x, X is rendered as $\cancel{x}, \cancel{X}$

\xleftarrow applied on x, X is rendered as $\xleftarrow{x}, \xleftarrow{X}$

\xrightarrow applied on x, X is rendered as $\xrightarrow{x}, \xrightarrow{X}$

Chapter 2

List of all commands supported

Chapter 2 lists all commands allowed by texvcjs.

2.1 Group `big_literals`

`\Big` is rendered as $\Big($

`\Bigg` is rendered as $\Bigg($

`\Biggl` is rendered as $\Biggl($

`\Biggr` is rendered as $\Biggr($

`\Bigl` is rendered as $\Bigl($

`\Bigr` is rendered as $\Bigr($

`\big` is rendered as $\big($

`\bigg` is rendered as $\bigg($

`\biggl` is rendered as $\biggl($

\biggr is rendered as $\biggr($

\bigl is rendered as $\bigl($

\bigr is rendered as $\bigr($

2.2 Group box_functions

\hbox is rendered as a

\mbox is rendered as a

\text is rendered as a

\vbox is rendered as a

2.3 Group color_function

\color is rendered as *red*

\pagecolor is not rendered.

2.4 Group declh_function

\bf is rendered as

\cal is rendered as

\it is rendered as

\rm is rendered as

2.5 Group definecolor_function

\definecolor is rendered as

2.6 Group fun_ar1

\acute is rendered as $\acute{a}$

\bar is rendered as $\bar{a}$

\bcancel is rendered as $\cancel{a}$

\bmod is rendered as $\bmod a$

\boldsymbol is rendered as $\boldsymbol{a}$

\breve is rendered as $\breve{a}$

\cancel is rendered as $\cancel{a}$

\check is rendered as $\check{a}$

\ddot is rendered as $\ddot{a}$

\dot is rendered as $\dot{a}$

\emph is rendered as a

\grave is rendered as $\grave{a}$

\hat is rendered as $\hat{a}$

\hphantom is rendered as $\hphantom{a}$

\mathcal is rendered as $\mathcal{a}$

\mathclose is rendered as a

\mathfrak is rendered as $\mathfrak{a}$

\mathit is rendered as a

\mathopen is rendered as a

\mathord is rendered as a

\mathpunct is rendered as a

\mathsf is rendered as a

\mathtt is rendered as $\mathtt{a}$

\overleftarrow is rendered as $\overleftarrow{a}$

\overleftrightarrow is rendered as $\overleftrightarrow{a}$

\overline is rendered as $\overline{a}$

\overrightarrow is rendered as $\overrightarrow{a}$

\phantom is rendered as

\pmod is rendered as $\pmod{a}$

`\sqrt` is rendered as $\sqrt{a}$

`\textbf` is rendered as **a**

`\textit` is rendered as *a*

`\textrm` is rendered as a

`\textsf` is rendered as a

`\texttt` is rendered as a

`\tilde` is rendered as $\tilde{a}$

`\underline` is rendered as $\underline{a}$

`\vec` is rendered as $\vec{a}$

`\vphantom` is rendered as

`\widehat` is rendered as $\widehat{a}$

`\widetilde` is rendered as $\widetilde{a}$

`\xcancel` is rendered as $\cancel{a}$

2.7 Group `fun_ar1nb`

`\mathbb` is rendered as $\mathbb{a}$

`\mathbf` is rendered as **a**

`\mathbin` is rendered as a

`\mathop` is rendered as a

`\mathrel` is rendered as a

`\mathrm` is rendered as a

`\operatorname` is rendered as a

`\overbrace` is rendered as $\overbrace{a}$

`\underbrace` is rendered as $\underbrace{a}$

`\xleftarrow` is rendered as $\xleftarrow{a}$

`\xrightarrow` is rendered as $\xrightarrow{a}$

2.8 Group `fun_ar1opt`

`\sqrt` is rendered as $\sqrt{a}$

`\xleftarrow` is rendered as $\overset{a}{\leftarrow}$

`\xrightarrow` is rendered as $\overset{a}{\rightarrow}$

2.9 Group `fun_ar2`

`\binom` applied on ab is rendered as $\binom{a}{b}$

`\cancelto` applied on ab is rendered as $\cancel{b}^{a}$

`\cfrac` applied on ab is rendered as $\cfrac{a}{b}$

`\dbinom` applied on ab is rendered as $\dbinom{a}{b}$

`\dfrac` applied on ab is rendered as $\dfrac{a}{b}$

`\frac` applied on ab is rendered as $\frac{a}{b}$

`\overset` applied on ab is rendered as $\overset{a}{b}$

`\stackrel` applied on ab is rendered as $\stackrel{a}{b}$

`\tbinom` applied on ab is rendered as $\tbinom{a}{b}$

`\tfrac` applied on ab is rendered as $\tfrac{a}{b}$

`\underset` applied on ab is rendered as $\underset{a}{b}$

2.10 Group `fun_ar2nb`

`\sideset` applied on $\sideset{^{24}_{13}}{}$ is rendered as $\sideset{^{24}_{13}}{}$

2.11 Group `fun_infix`

`\atop` applied on x, y is rendered as $\begin{matrix} x \\ y \end{matrix}$

`\choose` applied on x, y is rendered as $\binom{x}{y}$

`\over` applied on x, y is rendered as $\frac{x}{y}$

2.12 Group `fun_mhchem`

`\ce` is rendered as a

2.13 Group `hline_function`

`\hline` applied in a table is rendered as $\underline{x_{11} \quad x_{12}}$

2.14 Group `latex_function_names`

`\Pr` is rendered as Pr

`\arccos` is rendered as arccos

`\arcsin` is rendered as arcsin

`\arctan` is rendered as arctan

`\arg` is rendered as arg

`\cos` is rendered as cos

`\cosh` is rendered as cosh

`\cot` is rendered as cot

`\coth` is rendered as coth

`\csc` is rendered as csc

`\deg` is rendered as deg

`\det` is rendered as det

`\dim` is rendered as dim

`\exp` is rendered as exp

`\gcd` is rendered as gcd

`\hom` is rendered as hom

`\inf` is rendered as inf

`\ker` is rendered as ker

`\lg` is rendered as lg

`\lim` is rendered as lim

`\liminf` is rendered as lim inf

`\limsup` is rendered as lim sup

`\ln` is rendered as ln

`\log` is rendered as log

`\max` is rendered as max

`\min` is rendered as min

`\sec` is rendered as sec

`\sin` is rendered as sin

`\sinh` is rendered as sinh

`\sup` is rendered as sup

`\tan` is rendered as tan

`\tanh` is rendered as tanh

2.15 Group `left_function`

`\left` is rendered as (

2.16 Group `mediawiki_function_names`

`\arccot` is rendered as arccot y

`\arccsc` is rendered as arccsc y

`\arcsec` is rendered as arcsec y

`\sen` is rendered as sen y

`\sgn` is rendered as sgn y

2.17 Group mhchem_bond

\bond is rendered as −

2.18 Group mhchem_macro_1p

\ce is rendered as a

\mathbf is rendered as **a**

2.19 Group mhchem_macro_2p

\frac applied on ab is rendered as $\frac{a}{b}$

\overset applied on ab is rendered as $\overset{a}{b}$

\underset applied on ab is rendered as $\underset{a}{b}$

2.20 Group mhchem_macro_2pc

\color is rendered as red

2.21 Group mhchem_macro_2pu

\underbrace is rendered as $\underbrace{a}$

2.22 Group mhchem_single_macro

\Alpha is rendered as A

\Beta is rendered as B

\Chi is rendered as X

\Delta is rendered as Δ

\Epsilon is rendered as E

\Eta is rendered as H

\Gamma is rendered as Γ

\Iota is rendered as $\Iota$

\Kappa is rendered as $\Kappa$

\Lambda is rendered as Λ

\Mu is rendered as $\Mu$

\Nu is rendered as $\Nu$

\Omega is rendered as Ω

\Omicron is rendered as $\Omicron$

\Phi is rendered as Φ

\Pi is rendered as Π

\Psi is rendered as Ψ

\Rho is rendered as $\Rho$

\Sigma is rendered as Σ

\Tau is rendered as $\Tau$

\Theta is rendered as Θ

\Upsilon is rendered as Υ

\Zeta is rendered as $\Zeta$

\alpha is rendered as α

\approx is rendered as $\approx$

\beta is rendered as β

\ca was never used.
https://phabricator.wikimedia.org/T323878

\chi is rendered as χ

\circ is rendered as $\circ$

\delta is rendered as δ

\epsilon is rendered as ϵ

\eta is rendered as η

\gamma is rendered as γ

\iota is rendered as ι

\kappa is rendered as κ

\lambda is rendered as λ

\mu is rendered as μ

\nu is rendered as ν

\omega is rendered as ω

\omicron is rendered as

\phi is rendered as ϕ

\pi is rendered as π

\pm is rendered as $\pm$

\psi is rendered as ψ

\rho is rendered as ρ

\sigma is rendered as σ

\tau is rendered as τ

\theta is rendered as ϑ

\upsilon is rendered as υ

\varepsilon is rendered as ε

\varkappa is rendered as $\varkappa$

\varphi is rendered as φ

\varpi is rendered as ϖ

\varrho is rendered as ϱ

\varsigma is rendered as ς

\vartheta is rendered as ϑ

\zeta is rendered as ζ

2.23 Group nullary_macro

\And is rendered as ς

\Bbbk is rendered as $\Bbbk$

\Box is rendered as □

\Bumpeq is rendered as ≎

\Cap is rendered as ⋒

\Cup is rendered as ⋓

\Delta is rendered as Δ

\Diamond is rendered as ◇

\Finv is rendered as Ⅎ

\Game is rendered as ⅁

\Gamma is rendered as Γ

\Im is rendered as ℑ

\Lambda is rendered as Λ

\Leftarrow is rendered as ⇐

\Leftrightarrow is rendered as ⇔

\Lleftarrow is rendered as ⇚

\Longleftarrow is rendered as ⟸

\Longleftrightarrow is rendered as ⟺

\Longrightarrow is rendered as ⟹

\Lsh is rendered as ↰

\Omega is rendered as Ω

\P is rendered as ¶

\Phi is rendered as Φ

\Pi is rendered as Π

\Psi is rendered as Ψ

\Re is rendered as ℜ

\Rightarrow is rendered as ⇒

\Rrightarrow is rendered as ⇛

\Rsh is rendered as ↱

\S is rendered as §

\Sigma is rendered as Σ

\Subset is rendered as ⋐

\Supset is rendered as ⋑

\Theta is rendered as Θ

\Upsilon is rendered as Υ

\Vdash is rendered as ⊩

\Vvdash is rendered as ⊪

\Xi is rendered as Ξ

\aleph is rendered as ℵ

\alpha is rendered as α

\amalg is rendered as ⨿

\angle is rendered as ∠

\approx is rendered as ≈

\approxeq is rendered as ≊

\ast is rendered as $*$

\asymp is rendered as ≍

\backepsilon is rendered as ∍

\backprime is rendered as ‵‵‵‵

\backsim is rendered as ∽

\backsimeq is rendered as ⋍

\barwedge is rendered as ⊼

\because is rendered as ∵

\beta is rendered as β

\beth is rendered as ב

\between is rendered as ≬

\bigcap is rendered as

\bigcirc is rendered as ○

\bigcup is rendered as

\bigodot is rendered as

\bigoplus is rendered as

\bigotimes is rendered as

\bigsqcup is rendered as

\bigstar is rendered as ★

\bigtriangledown is rendered as ▽

\bigtriangleup is rendered as △

\biguplus is rendered as

\bigvee is rendered as

\bigwedge is rendered as

\blacklozenge is rendered as ⧫

\blacksquare is rendered as ■

\blacktriangle is rendered as ▲

\blacktriangledown is rendered as ▼

\blacktriangleleft is rendered as ◀

\blacktriangleright is rendered as ▶

\bot is rendered as ⊥

\bowtie is rendered as ⋈

\boxdot is rendered as ⊡

\boxminus is rendered as ⊟

\boxplus is rendered as ⊞

\boxtimes is rendered as ⊠

\bullet is rendered as •

\bumpeq is rendered as ≏

\cap is rendered as ∩

\cdot is rendered as ·

\cdots is rendered as ⋯

\centerdot is rendered as ·

\checkmark is rendered as ✓

\chi is rendered as χ

\circ is rendered as ∘

\circeq is rendered as $\circeq$

\circlearrowleft is rendered as $\circlearrowleft$

\circlearrowright is rendered as $\circlearrowright$

\circledS is rendered as Ⓢ

\circledast is rendered as ⊛

\circledcirc is rendered as ⊚

\circleddash is rendered as ⊝

\clubsuit is rendered as ♣

\colon is rendered as :

\complement is rendered as ∁

\cong is rendered as ≅

\coprod is rendered as

\cup is rendered as ∪

\curlyeqprec is rendered as ⋞

\curlyeqsucc is rendered as ⋟

\curlyvee is rendered as ⋎

\curlywedge is rendered as ⋏

\curvearrowleft is rendered as ↶

\curvearrowright is rendered as ↷

\dagger is rendered as †

\daleth is rendered as ד

\dashv is rendered as ⊣

\ddagger is rendered as ‡

\ddots is rendered as ⋱

\delta is rendered as δ

\diagdown is rendered as ╲

\diagup is rendered as ╱

\diamond is rendered as ⋄

\diamondsuit is rendered as ♢

\digamma is rendered as $\digamma$

\displaystyle is rendered as

\div is rendered as ÷

\divideontimes is rendered as ⋇

\doteq is rendered as ≐

\doteqdot is rendered as ≑

\dotplus is rendered as ∔

\dots is rendered as ...

\dotsb is rendered as ⋯

\dotsc is rendered as ...

\dotsi is rendered as⋯

\dotsm is rendered as ⋯

\dotso is rendered as ...

\doublebarwedge is rendered as ⩞

\downdownarrows is rendered as ⇊

\downharpoonleft is rendered as ⇃

\downharpoonright is rendered as ⇂

\ell is rendered as ℓ

\emptyset is rendered as ∅

\epsilon is rendered as ϵ

\eqcirc is rendered as $\eqcirc$

\eqsim is rendered as $\eqsim$

\eqslantgtr is rendered as $\eqslantgtr$

\eqslantless is rendered as $\eqslantless$

\equiv is rendered as $\equiv$

\eta is rendered as η

\eth is rendered as $\eth$

\exists is rendered as $\exists$

\fallingdotseq is rendered as $\fallingdotseq$

\flat is rendered as $\flat$

\forall is rendered as $\forall$

\frown is rendered as $\frown$

\gamma is rendered as γ

\geq is rendered as $\geq$

\geqq is rendered as $\geqq$

\geqslant is rendered as $\geqslant$

\gets is rendered as $\gets$

\gg is rendered as $\gg$

\ggg is rendered as $\ggg$

\gimel is rendered as $\gimel$

\gnapprox is rendered as $\gnapprox$

\gneq is rendered as $\gneq$

\gneqq is rendered as $\gneqq$

\gnsim is rendered as $\gnsim$

\gtrapprox is rendered as $\gtrapprox$

\gtrdot is rendered as $\gtrdot$

\gtreqless is rendered as $\gtreqless$

\gtreqqless is rendered as $\gtreqqless$

\gtrless is rendered as $\gtrless$

\gtrsim is rendered as $\gtrsim$

\gvertneqq is rendered as $\gvertneqq$

\hbar is rendered as $\hbar$

\heartsuit is rendered as $\heartsuit$

\hookleftarrow is rendered as $\hookleftarrow$

\hookrightarrow is rendered as $\hookrightarrow$

\hslash is rendered as $\hslash$

\iff is rendered as $\iff$

\iiiint is rendered as $\iiiint$

\iiint is rendered as $\iiint$

\iint is rendered as $\iint$

\imath is rendered as $\imath$

\implies is rendered as $\implies$

\in is rendered as $\in$

\infty is rendered as ∞

\injlim is rendered as $\injlim$

\int is rendered as $\int$

\intBar is rendered as $\intBar$

\intbar is rendered as $\intbar$

\intercal is rendered as $\intercal$

\iota is rendered as ι

\jmath is rendered as $\jmath$

\kappa is rendered as κ

\lVert is rendered as

\lambda is rendered as λ

\land is rendered as $\land$

\ldots is rendered as ...

\leftarrow is rendered as $\leftarrow$

\leftarrowtail is rendered as $\leftarrowtail$

\leftharpoondown is rendered as $\leftharpoondown$

\leftharpoonup is rendered as $\leftharpoonup$

\leftleftarrows is rendered as $\leftleftarrows$

\leftrightarrow is rendered as $\leftrightarrow$

\leftrightarrows is rendered as $\leftrightarrows$

\leftrightharpoons is rendered as $\leftrightharpoons$

\leftrightsquigarrow is rendered as $\leftrightsquigarrow$

\leftthreetimes is rendered as $\leftthreetimes$

\leq is rendered as $\leq$

\leqq is rendered as $\leqq$

\leqslant is rendered as $\leqslant$

\lessapprox is rendered as $\lessapprox$

\lessdot is rendered as $\lessdot$

\lesseqgtr is rendered as $\lesseqgtr$

\lesseqqgtr is rendered as $\lesseqqgtr$

\lessgtr is rendered as $\lessgtr$

\lesssim is rendered as $\lesssim$

\limits is rendered for example as $\bigcap\limits_{a}^{b}$

\ll is rendered as $\ll$

\lll is rendered as $\lll$

\lnapprox is rendered as $\lnapprox$

\lneq is rendered as $\lneq$

\lneqq is rendered as $\lneqq$

\lnot is rendered as $\lnot$

\lnsim is rendered as $\lnsim$

\longleftarrow is rendered as $\longleftarrow$

\longleftrightarrow is rendered as $\longleftrightarrow$

\longmapsto is rendered as $\longmapsto$

\longrightarrow is rendered as $\longrightarrow$

\looparrowleft is rendered as $\looparrowleft$

\looparrowright is rendered as $\looparrowright$

\lor is rendered as $\lor$

\lozenge is rendered as $\lozenge$

\ltimes is rendered as $\ltimes$

\lvertneqq is rendered as $\lvertneqq$

\mapsto is rendered as $\mapsto$

\measuredangle is rendered as $\measuredangle$

\mho is rendered as $\mho$

\mid is rendered as $\mid$

\mod is rendered as $\mod$

\models is rendered as $\models$

\mp is rendered as $\mp$

\mu is rendered as μ

\multimap is rendered as $\multimap$

\nLeftarrow is rendered as $\nLeftarrow$

\nLeftrightarrow is rendered as $\nLeftrightarrow$

\nRightarrow is rendered as $\nRightarrow$

\nVDash is rendered as $\nVDash$

\nVdash is rendered as $\nVdash$

\nabla is rendered as ∇

\natural is rendered as $\natural$

\ncong is rendered as $\ncong$

\nearrow is rendered as $\nearrow$

\neg is rendered as $\neg$

\neq is rendered as $\neq$

\nexists is rendered as $\nexists$

\ngeq is rendered as $\ngeq$

\ngeqq is rendered as $\ngeqq$

\ngeqslant is rendered as $\ngeqslant$

\ngtr is rendered as $\ngtr$

\ni is rendered as $\ni$

\nleftarrow is rendered as $\nleftarrow$

\nleftrightarrow is rendered as $\nleftrightarrow$

\nleq is rendered as $\nleq$

\nleqq is rendered as $\nleqq$

\nleqslant is rendered as $\nleqslant$

\nless is rendered as $\nless$

\nmid is rendered as $\nmid$

\nolimits is rendered for example as $\cap_a^b$

\not is rendered as $/$

\notin is rendered as $\notin$

\nparallel is rendered as $\nparallel$

\nprec is rendered as $\nprec$

\npreceq is rendered as $\npreceq$

\nrightarrow is rendered as $\nrightarrow$

\nshortmid is rendered as $\nshortmid$

\nshortparallel is rendered as $\nshortparallel$

\nsim is rendered as $\nsim$

\nsubseteq is rendered as $\nsubseteq$

\nsubseteqq is rendered as $\nsubseteqq$

\nsucc is rendered as $\nsucc$

\nsucceq is rendered as $\nsucceq$

\nsupseteq is rendered as $\nsupseteq$

\nsupseteqq is rendered as $\nsupseteqq$

\ntriangleleft is rendered as $\ntriangleleft$

\ntrianglelefteq is rendered as $\ntrianglelefteq$

\ntriangleright is rendered as $\ntriangleright$

\ntrianglerighteq is rendered as $\ntrianglerighteq$

\nu is rendered as ν

\nvDash is rendered as $\nvDash$

\nvdash is rendered as $\nvdash$

\nwarrow is rendered as $\nwarrow$

\odot is rendered as $\odot$

\oiiint is rendered as $\oiiint$

\oiint is rendered as $\oiint$

\oint is rendered as $\oint$

\ointctrclockwise is rendered as $\ointctrclockwise$

\omega is rendered as ω

\ominus is rendered as $\ominus$

\oplus is rendered as $\oplus$

\oslash is rendered as $\oslash$

\otimes is rendered as $\otimes$

\parallel is rendered as $\parallel$

\partial is rendered as ∂

\perp is rendered as $\perp$

\phi is rendered as ϕ

\pi is rendered as π

\pitchfork is rendered as $\pitchfork$

\pm is rendered as $\pm$

\prec is rendered as $\prec$

\precapprox is rendered as $\precapprox$

\preccurlyeq is rendered as $\preccurlyeq$

\preceq is rendered as $\preceq$

\precnapprox is rendered as $\precnapprox$

\precneqq is rendered as $\precneqq$

\precnsim is rendered as $\precnsim$

\precsim is rendered as $\precsim$

\prime is rendered as $\prime$

\prod is rendered as $\prod$

\projlim is rendered as $\projlim$

\propto is rendered as $\propto$

\psi is rendered as ψ

\qquad is rendered as $\qquad$

\quad is rendered as $\quad$

\rVert is rendered as $\rVert$

\rho is rendered as ρ

\rightarrow is rendered as $\rightarrow$

\rightarrowtail is rendered as $\rightarrowtail$

\rightharpoondown is rendered as $\rightharpoondown$

\rightharpoonup is rendered as $\rightharpoonup$

\rightleftarrows is rendered as ⇄

\rightrightarrows is rendered as ⇉

\rightsquigarrow is rendered as ⇝

\rightthreetimes is rendered as ⋌

\risingdotseq is rendered as ≓

\rtimes is rendered as ⋊

\scriptscriptstyle is rendered as

\scriptstyle is rendered as

\searrow is rendered as ↘

\setminus is rendered as \

\sharp is rendered as ♯

\shortmid is rendered as ∣

\shortparallel is rendered as ∥

\sigma is rendered as σ

\sim is rendered as ∼

\simeq is rendered as ≃

\smallfrown is rendered as ⌢

\smallsetminus is rendered as ∖

\smallsmile is rendered as ⌣

\smile is rendered as ⌣

\spadesuit is rendered as ♠

\sphericalangle is rendered as ∢

\sqcap is rendered as ⊓

\sqcup is rendered as ⊔

\sqsubset is rendered as ⊏

\sqsubseteq is rendered as ⊑

\sqsupset is rendered as ⊐

\sqsupseteq is rendered as $\sqsupseteq$

\square is rendered as $\square$

\star is rendered as $\star$

\subset is rendered as $\subset$

\subseteq is rendered as $\subseteq$

\subseteqq is rendered as $\subseteqq$

\subsetneq is rendered as $\subsetneq$

\subsetneqq is rendered as $\subsetneqq$

\succ is rendered as $\succ$

\succapprox is rendered as $\succapprox$

\succcurlyeq is rendered as $\succcurlyeq$

\succeq is rendered as $\succeq$

\succnapprox is rendered as $\succnapprox$

\succneqq is rendered as $\succneqq$

\succnsim is rendered as $\succnsim$

\succsim is rendered as $\succsim$

\sum is rendered as

\supset is rendered as $\supset$

\supseteq is rendered as $\supseteq$

\supseteqq is rendered as $\supseteqq$

\supsetneq is rendered as $\supsetneq$

\supsetneqq is rendered as $\supsetneqq$

\surd is rendered as

\swarrow is rendered as $\swarrow$

\tau is rendered as τ

\textstyle is rendered as

\therefore is rendered as $\therefore$

\theta is rendered as θ

\thickapprox is rendered as $\approx$

\thicksim is rendered as $\sim$

\times is rendered as $\times$

\to is rendered as $\rightarrow$

\top is rendered as $\top$

\triangle is rendered as $\triangle$

\triangledown is rendered as $\triangledown$

\triangleleft is rendered as $\triangleleft$

\trianglelefteq is rendered as $\trianglelefteq$

\triangleq is rendered as $\triangleq$

\triangleright is rendered as $\triangleright$

\trianglerighteq is rendered as $\trianglerighteq$

\upharpoonleft is rendered as $\upharpoonleft$

\upharpoonright is rendered as $\upharpoonright$

\uplus is rendered as $\uplus$

\upsilon is rendered as υ

\upuparrows is rendered as $\upuparrows$

\vDash is rendered as $\vDash$

\varDelta is rendered as $\varDelta$

\varGamma is rendered as $\varGamma$

\varLambda is rendered as $\varLambda$

\varOmega is rendered as $\varOmega$

\varPhi is rendered as $\varPhi$

\varPi is rendered as $\varPi$

\varSigma is rendered as $\varSigma$

\varTheta is rendered as $\varTheta$

\varUpsilon is rendered as $\varUpsilon$

\varXi is rendered as $\varXi$

\varepsilon is rendered as ε

\varinjlim is rendered as $\varinjlim$

\varkappa is rendered as $\varkappa$

\varliminf is rendered as $\varliminf$

\varlimsup is rendered as $\varlimsup$

\varnothing is rendered as $\varnothing$

\varointclockwise is rendered as $\varointclockwise$

\varphi is rendered as φ

\varpi is rendered as ϖ

\varprojlim is rendered as $\varprojlim$

\varpropto is rendered as $\varpropto$

\varrho is rendered as ϱ

\varsigma is rendered as ς

\varsubsetneq is rendered as $\varsubsetneq$

\varsubsetneqq is rendered as $\varsubsetneqq$

\varsupsetneq is rendered as $\varsupsetneq$

\varsupsetneqq is rendered as $\varsupsetneqq$

\vartheta is rendered as ϑ

\vartriangle is rendered as $\vartriangle$

\vartriangleleft is rendered as $\vartriangleleft$

\vartriangleright is rendered as $\vartriangleright$

\vdash is rendered as $\vdash$

\vdots is rendered as $\vdots$

\vee is rendered as $\vee$

\veebar is rendered as $\veebar$

\vline is rendered as |

\wedge is rendered as ∧

\wp is rendered as ℘

\wr is rendered as ≀

\xi is rendered as ξ

\zeta is rendered as ζ

2.24 Group nullary_macro_in_mbox

\AA is rendered as ∀

\Coppa is rendered as ϟ

\Digamma is rendered as Ͱ

\Koppa is rendered as ϟ

\Sampi is rendered as ϡ

\Stigma is rendered as Ϛ

\coppa is rendered as ϙ

\euro is rendered as *e*

\geneuro is rendered as €

\geneuronarrow is rendered as €

\geneurowide is rendered as €

\koppa is rendered as ϟ

\officialeuro is rendered as *e*

\sampi is rendered as ϡ

\stigma is rendered as ϛ

\textvisiblespace is rendered as ␣

\varstigma is rendered as ϒ

2.25 Group other_delimiters1

\Downarrow is rendered as ⇓

\Uparrow is rendered as ⇑

\Updownarrow is rendered as ⇕

\Vert is rendered as

\backslash is rendered as \

\downarrow is rendered as ↓

\langle is rendered as

\lbrace is rendered as {

\lbrack is rendered as [

\lceil is rendered as

\lfloor is rendered as

\llcorner is rendered as ⌞

\lrcorner is rendered as ⌟

\rangle is rendered as

\rbrace is rendered as }

\rbrack is rendered as]

\rceil is rendered as

\rfloor is rendered as

\rightleftharpoons is rendered as ⇌

\twoheadleftarrow is rendered as ↞

\twoheadrightarrow is rendered as ↠

\ulcorner is rendered as ⌜

\uparrow is rendered as ↑

\updownarrow is rendered as ↕

\urcorner is rendered as ⌝

\vert is rendered as

2.26 Group other_delimiters2

\Darr is rendered as ⇓

\Uarr is rendered as ⇑

\dArr is rendered as ⇓

\darr is rendered as ↓

\lang is rendered as

\rang is rendered as

\uArr is rendered as ⇑

\uarr is rendered as ↑

2.27 Group right_function

\right is rendered as)