# Technical details on texvc identifiere extraction 

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## 1 Introduction

This document 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 $\varepsilon_{i j k}$. Moreover, the Literals described in section 2, and the Identifier variants (section 3) are supported.

## 2 Literals

The following literals are supported:
$\backslash$ aleph is rendered as $\aleph$
$\backslash$ alpha is rendered as $\alpha$
$\backslash$ amalg is rendered as $\amalg$
$\backslash$ backepsilon is rendered as ${ }^{\text { }}$
$\backslash$ Bbbk is rendered as $\mathbb{k}$
$\backslash$ beta is rendered as $\beta$
$\backslash$ beth is rendered as $\beth$
$\backslash$ chi is rendered as $\chi$
\complement is rendered as $\complement$
$\backslash$ daleth is rendered as 7
$\backslash$ delta is rendered as $\delta$
$\backslash$ Delta is rendered as $\Delta$
$\backslash$ digamma is rendered as $\digamma$
$\backslash e l l$ is rendered as $\ell$
$\backslash$ epsilon is rendered as $\epsilon$
$\backslash$ eta is rendered as $\eta$
$\backslash$ eth is rendered as $\partial$
$\backslash$ Finv is rendered as $\lrcorner$

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\lat is rendered as b
\ G a m e ~ i s ~ r e n d e r e d ~ a s ~ D ~
\gamma is rendered as }
\ \text { Gamma is rendered as } \Gamma
gimel is rendered as ]
\ \text { hslash is rendered as } \hbar
\imath is rendered as \imath
intercal is rendered as T
\iota is rendered as \iota
\jmath is rendered as 〕
\ k \mp@code { k p p a ~ i s ~ r e n d e r e d ~ a s ~ } \kappa
\ l a m b d a ~ i s ~ r e n d e r e d ~ a s ~ \lambda
Lambda is rendered as }
\ m h o ~ i s ~ r e n d e r e d ~ a s ~ \mho ~
\ m u ~ i s ~ r e n d e r e d ~ a s ~ \mu
\ \text { natural is rendered as } \emptyset
\ n u ~ i s ~ r e n d e r e d ~ a s ~ \nu
\ \ o m e g a ~ i s ~ r e n d e r e d ~ a s ~ \omega
\ \ m e g a ~ i s ~ r e n d e r e d ~ a s ~ \Omega
\ P \text { is rendered as \}
\ \text { phi is rendered as } \phi
\ P h i ~ i s ~ r e n d e r e d ~ a s ~ \Phi ~
\ \text { pi is rendered as } \pi
\ P \mathrm { Pi } \text { is rendered as } \Pi
\pitchfork is rendered as }
\ \mathrm { psi } \text { is rendered as } \psi
\ \text { Psi is rendered as } \Psi
\ \text { rho is rendered as } \rho
\ S \text { is rendered as §}
\sigma is rendered as }
\ \text { Sigma is rendered as } \Sigma
tau is rendered as \tau
theta is rendered as }
\ T h e t a ~ i s ~ r e n d e r e d ~ a s ~ \Theta ~
\ t o p ~ i s ~ r e n d e r e d ~ a s ~ T
\arepsilon is rendered as \varepsilon
varkappa is rendered as }
varnothing is rendered as \varnothing
varphi is rendered as \varphi
\arpi is rendered as \varpi
\varrho is rendered as \varrho
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$\backslash$ varsigma is rendered as $\varsigma$
$\backslash$ vartheta is rendered as $\vartheta$
$\backslash$ wp is rendered as $\wp$
$\backslash \mathrm{xi}$ is rendered as $\xi$
$\backslash \mathrm{Xi}$ is rendered as $\Xi$
$\backslash$ zeta is rendered as $\zeta$

## 3 Identifier variants

The following variants are supported ${ }^{1}$ :
$\backslash$ acute applied on $x, X$ is rendered as $\dot{x}, \dot{X}$
$\backslash$ bar applied on $x, X$ is rendered as $\bar{x}, \bar{X}$
$\backslash$ bcancel applied on $x, X$ is rendered as $x, \mathcal{X}$
$\backslash$ bmod applied on $x, X$ is rendered as $\bmod x, \bmod X$
$\backslash$ boldsymbol applied on $x, X$ is rendered as $\boldsymbol{x}, \boldsymbol{X}$
$\backslash$ breve applied on $x, X$ is rendered as $\breve{x}, \breve{X}$
$\backslash$ cancel applied on $x, X$ is rendered as $x, X$
$\backslash$ check applied on $x, X$ is rendered as $\check{x}, \check{X}$
$\backslash$ ddot applied on $x, X$ is rendered as $\ddot{x}, \ddot{X}$
$\backslash$ dot applied on $x, X$ is rendered as $\dot{x}, \dot{X}$
$\backslash$ emph applied on $x, X$ is rendered as $x, X$
$\backslash$ grave applied on $x, X$ is rendered as $\grave{x}, \grave{X}$
$\backslash$ hat applied on $x, X$ is rendered as $\hat{x}, \hat{X}$
$\backslash$ mathbb applied on $x, X$ is rendered as $火, \mathcal{K}$
$\backslash$ mathbf applied on $x, X$ is rendered as $\mathbf{x}, \mathbf{X}$
$\backslash$ mathbin applied on $x, X$ is rendered as $x, X$
$\backslash$ mathcal applied on $x, X$ is rendered as $\S, \mathcal{X}$
$\backslash$ mathclose applied on $x, X$ is rendered as $x, X$
$\backslash$ mathfrak applied on $x, X$ is rendered as $\mathfrak{x}, \mathfrak{X}$
$\backslash$ mathit applied on $x, X$ is rendered as $x, X$
$\backslash$ mathop applied on $x, X$ is rendered as $x, X$
$\backslash$ mathopen applied on $x, X$ is rendered as $x, X$
$\backslash$ mathord applied on $x, X$ is rendered as $x, X$
$\backslash$ mathpunct applied on $x, X$ is rendered as $x, X$
$\backslash$ mathrel applied on $x, X$ is rendered as $x, X$
$\backslash$ mathrm applied on $x, X$ is rendered as $\mathrm{x}, \mathrm{X}$
$\backslash$ mathsf applied on $x, X$ is rendered as $\mathrm{x}, \mathrm{X}$
$\backslash$ mathtt applied on $x, X$ is rendered as $\mathrm{x}, \mathrm{X}$

[^0]```
\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 \(\bar{x}, \bar{X}\)
\overrightarrow applied on \(x, X\) is rendered as \(\vec{x}, \vec{X}\)
ttextbf applied on \(x, X\) is rendered as \(\mathbf{x}, \mathbf{X}\)
ttextit applied on \(x, X\) is rendered as \(x, X\)
\(\backslash\) textrm applied on \(x, X\) is rendered as \(\mathrm{x}, \mathrm{X}\)
\(\backslash\) textsf applied on \(x, X\) is rendered as \(\mathrm{x}, \mathrm{X}\)
\(\backslash\) texttt applied on \(x, X\) is rendered as \(\mathrm{x}, \mathrm{X}\)
\(\backslash\) tilde applied on \(x, X\) is rendered as \(\tilde{x}, \tilde{X}\)
\(\backslash\) underline applied on \(x, X\) is rendered as \(\underline{x}, \underline{X}\)
\vec applied on \(x, X\) is rendered as \(\vec{x}, \vec{X}\)
\(\backslash\) widehat applied on \(x, X\) is rendered as \(\widehat{x}, \widehat{X}\)
\(\backslash\) widetilde applied on \(x, X\) is rendered as \(\widetilde{x}, \widetilde{X}\)
\(\backslash \mathrm{xcancel}\) applied on \(x, X\) is rendered as \(\not \mathcal{X}, \mathcal{X}\)
\(\backslash\) xleftarrow applied on \(x, X\) is rendered as \(\stackrel{x}{\leftarrow}, \stackrel{X}{\leftarrow}\)
\xrightarrow applied on \(x, X\) is rendered as \(\xrightarrow{x}, \xrightarrow{X}\)
\(\backslash\) Bbb applied on \(x, X\) is rendered as \(<, \mathcal{K}\)
\(\backslash\) bold applied on \(x, X\) is rendered as \(\mathbf{x}, \mathbf{X}\)
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[^0]:    ${ }^{1}$ Note that $\backslash$ mathcal is not available for lowercase Latin letters.

