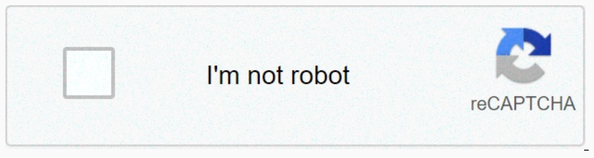

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Page 4 Information and discussions on the mathematical and scientific characteristics of LaTeX (e.g. formulas, graphs). 2 Responses 109 Views Last post by samwell187 See latest post Fri Nov 13, 2020 1:27am 1 Responses 146 Views Last post henriqueJH99 See latest post Wed November 4th, 2020 16:27 0 Responses 256 Views Last post by WyoTeacher View latest post Thu 15 Oct 2020 17:21 0 Responses 290 View recent views Last post by Ijon Tichy View latest post On Oct 29 , 2020 08:38 2 Responses 463 Views Last post by newbeamer View latest post Wed Sep 09, 2020 12:20 pm 0 Responses 221 Views Last post by user49915 View latest post On Tuesday 08, 2020 19:38 2 Responses 322 Views Last post by akshay_ka View latest post fri. , 2020 19:19 2 Responses 237 Viewed post by rgaelzer See latest post On Aug 11, 2020 7:01 pm 0 Responses 184 Views Last post by user22741 See latest post Sun Aug 09, 2020 19:51 1 Responses 204 Views Last post by JBClaypool See latest post Sat Aug 01, 2020 1:15 am 2 Responses 365 Views Last post by Bartman See latest post Wed 29 Jul , 2020 14:15 4 Responses 2877 Last post by Ijon Tichy View latest post Sat Jul 11, 2020 12:04 pm 4 Responses 641 Views Last post by Achava View last post Wed Jun 03, 2020 10:37 pm 1 Responses 188 Views Last post by Ijon Tichy See latest post w03, 2020 11:03 am 0 Responses 346 View last post by nazikbashimova See last post Sun 24 , 2020 11:51 am 3 Responses 401 Viewed last post by Bartman last post Sun May 10, 2020 12:28 am 1 Responses 461 Views Last post by WyoTeacher See latest post Wed April 22, 2020 07:41 3 Responses 878 Views Last post by tpa77l3 See latest post Wed 15 Apr 15, 2020 5:23 am 2 Responses 837 View recent views Last post by user49915 See latest post on Mar 17 , 2020 2020 pm 1 Responses 314 Views Last post by Bartman See last post Sat Mar 14, 2020 7:15 pm 2 Responses 913 Views Last post by tpa77l3 See last post Thurs February 27, 2020 6:20AM 29 am 1 Responses 450 Views Last post by Ijon Tichy See last post Fri February 21, 2020 10:39 am 6 Responses 5467 View last post by vaman See last post Thu Thu 30, 2020 2:01 pm 2 Responses 633 Views Last post by user49915 See latest post Sun January 19, 2020 10:46 am Jump to users browsing this forum: No registered users and 4 guests can not write new topics on this forumYou can not respond to topics on this forumYou can not edit your posts on this forumYou can not delete your posts on this forumYou can not write attachments on this forum Liste des forum - Statistiques du forum Total Discussions : 145 696, News: 1,452,146, Utilisateurs: 27,366. 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Learn more Edit sharing LaTeX symbols have names (marked with backslashes) or special characters. They are divided into seven classes based on their role in the mathematical expression. This is not an exhaustive list. For more information, see the external references at the end of this article. 1 Class 0 symbols (Ord): Simple/ordinary (noun) 2 Class 1 symbols (op): prefix operator (extensible) 3 class 2 symbols (binary) (conjunction) 4 Type 3 (Rel) symbols: relationship /comparison (verb) 4.1 <, =, > and variants 4.2 Arrows 4.3 Other relationship symbols 5 Class 4 (open; left) and class 5 symbols (close; right) (extensible) 6 class 6 symbols (Pun): postfix / punctuation 7 External references Class 0 symbols (Ord): Simple /ordinary (noun)[edit | editing source] Latin letters and Arabic[edit | edit source] Letters are rendered in italic font; the numbers are vertical/Roman. \imath and \jmath do dotless and i j that are useful in combination with hats and accents. LaTeX tags... ... Scores Results A B D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9 \imath \quad \jmath \quad \hat{\jmath} Greek letters[edit | editing source] Lowercase Greek letters are rendered in ital italic; uppercase Greek letters are rendered in an upright/Roman position. Other alphabetical characters[edit | edit source] Other simple symbols[edit | edit source] The following characters have no spacing with them. This means that these are simple symbols in class 0. There is also a \&command that is not supported by the LaTeX Wikia analyzer. Hats, stripes, and accents[edit | edit source] Symbols that are above, below, or in the corners of other symbols. Note 1: Dotless and j (\imath and \jmath symbols) can be used to leave room for the hat you want to wear. Note 2: \sideset takes the two required parameters, left and right, followed by a mathematical operator of the sum class, which usually takes the subscripts below and above the symbol. The following commands are not supported by the LaTeX Wikia analyzer: \dddot \widetilde \underleftarrow \underleftarrow \underrightarrow \underleftrightarrow Fonts[edit | edit source] Bold face: \boldsymbol and \mathbf create bold face symbols, and \pmb creates very bold face symbols. However, \mathbf cannot be applied to Greek symbols, for example. The AMS short guide (see reference) contains a cryptic comment, in general, it is unwise to apply the \boldsymbol to more than one symbol at a time. It's best not to find out why! LaTeX tags... ... results: A_\infty + \pi A_0 \mathbf{A}_\mathbf{\infty} \mathbf{+} \mathbf{\pi} \mathbf{A}_\mathbf{0} \mathbf{A}_{\boldsymbol{\infty} \bold we're like} \boldsymbol{+} \boldsymbol{\pi} \mathbf{A}_{\boldsymbol{0} } 2\alpha x^2yz+5 \mathbf{2\alpha x^2yz+5} The \pmb command is not supported by the LaTeX Wikia parser. Other fonts are... LaTeX tags... ... results at ... is used for: \mathbb{A B C . . . M} Bold array (without lowercase letters) is used to represent standard sets of numbers, such as \mathbb{N . . X Y Z} Bold array (without lowercase letters) is used to represent standard sets of numbers, such as \mathcal{A B C . . . M} Calligraphic letters (without lowercase letters) \mathcal{N . . . X Y Z} Calligraphic letters (without lowercase letters) \mathfrak{A B C ... M} Fractur letters \mathfrak{N ... X Y Z} Fractur letters \mathfrak{a b c ... m} Fractur letters \mathfrak{n ... x y z} Fractur letters \mathrm{A B C ... M} Roman letters \mathrm{N ... X Y Z} Roman letters \mathrm{a b c ... m} Roman letters \mathrm{n ... x y z} Roman Spaces[edit | edit source] Main article: Spaces Simple symbols (class 0) are rendered without spaces between them. Operators (Class 1) are rendered Spaces. Spacing symbols change the amount of space, adding more space, or taking up spacing. Space is measured in mathematical units or him. 18mu equals 1em. LaTeX tags... ... results at ... is used for: a b c d Simple symbols (class 0) do not have spaces around them \sin b \cos d Operators (class 1) have thin spaces around them a \, b \mspace{3mu} c \thinspace d Cannot parse (unknown \mspace function): {\displaystyle a \, b \mspace{3mu} c \thinspace d} thin 3mu space a \: b \mspace{4mu} c \medspace d Cannot be parsed (syntax error) : {\displaystyle a \: b \mspace{4mu} c \medspace d} medium 4mu space a \; b \mspace{5mu} c \thickspace d Cannot parse (unknown \mspace function): {\displaystyle a \; b \mspace{5mu} c\thickspace d} thick space 5mu a \ b \mspace{6mu} c \ d Cannot be parsed (unknown function \mspace): {\displaystyle a \ b \mspace{6mu} c \ d} thicker 6mu space provided by the backslash, and then blank \quad b \mspace{18mu} c \quad d Cannot parse (unknown \mspace function) : {\displaystyle a \quad b \mspace{18mu} c \quad d} 18mu or 1em space a \qquad b \mspace{36mu} c \qquad d Failed to parse (unknown \mspace function): {\displaystyle a \qquad b \mspace{36mu} c \qquad d} 36mu or 2em space a \! b \mspace{-3mu} c egthinspace d Cannot be parsed (unknown egthinspace function): {\displaystyle a egthinspace b \mspace{-3mu} c egthinspace d} negative thin -3mu sp. See \int for the suggested use. a egmedspace b \mspace{-4mu} c egmedspace d Cannot be parsed (unknown egmedspace function): {\displaystyle a egmedspace b \mspace{-4mu} c egmedspace d} medium negative -4mu space a egthickspace b \mspace{-5mu} c egthickspace d Cannot be parsed (unknown egthickspace function): {\displaystyle a egthickspace b \mspace{-5mu} c egthickspace d} negative thick -5mu space Spaces of exactly the size of some rendered texts can be obtained using \phantom , command, and its cousins, \hphantom and \vphantom, as follows: LaTeX tags ... ... results at ... is used for: & a \ b \\& \cdot \cdot \\& c \ d Cannot be parsed (unknown function \begin{split}): {\displaystyle \begin{split} & a \ b \\ & \centerdot \\int XXX} \centerdot \\ & c \end{{split} space as wide and high asintegral and three X\\& \cdot \hphantom{\int XXX} \cdot \\&c \ d Cannot be parsed (unknown function \begin{split}) : {\displaystyle \begin{split} & a \ b \\ & \centerdot \hphantom{\int XXX} \centerdot \\ & c \d \end{split}} space as wide as three X's;height 0 & & a \ b \\& \cdot \vphantom{\int XXX} \cdot \\& c \ d Cannot be parsed (unknown function \begin{split}): {\displaystyle \begin{split} & a \ \\ & \centerdot \vphant area with a width of 0.asintegral and three class 1 (op) X symbols:prefix operator (extensible)[edit | source] Accumulation operators: sum, sum, union, etc. [edit | edit source] Main article: Total class symbol These prefixes operators collect the things to which they are preceded. Extensible means they have a variable size to accommodate their operands, and their limits may appear below and above the operator. The \smallint command is not supported by the LaTeX wikia analyzer. Named operators: sin, cos, etc. [edit | edit source] If your favorite operator, say foo, isn't listed, you won't be able to use \foo(x) in the LaTeX equation. But don't worry. The same result can be obtained using \operatorname{foo}(x). If the fold operator needs the displayed limits, as in \lim or \max, use \operatorname*{foo}, as in the example in the following table. The \operatorname* command is not supported by the LaTeX wikia analyzer. Class 2 symbols (binary): Binary operator (conjunction)[edit | edit source] Binary operator symbols are... Class 3 (Rel) symbols: relation / comparison (verb)[edit | edit source] <, =, > and variants[edit | edit source] Arrows[edit | edit source] Other relationship symbols[edit | edit source] Class 4 (open; left) and class 5 (close; right) symbols (extensible)[edit | edit source] Paired left and right symbols[edit | edit source] The following commands are not supported by the LaTeX Wikia analyzer: \lvert \rvert \rvert \rgroup \lmoustache \rmoustache Non-iparating symbols (extensible)[edit | editing source] \vert or | \Vert or \| / \backslash The following commands are not supported by the LaTeX Wikia analyzer: \arrowvert \Arrowvert \bracevert Vertical arrows (extensible)[edit | edit source] \uparrow \Uparrow \downarrow \Downarrow \updownarrow \Updownarrow Class 6 (Pun) symbols: postfix / punctuation[edit | edit source] Punctuation symbols are . / | , ; \colon : ! ? \dotsb \ddots \vdots The following commands are not supported by the LaTeX Wikia analyzer: \dotsc \dotsi \dotsm \dotso External references[edit source] Community content is available under CC-BY-SA, unless otherwise noted. 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