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System of equations latex numbering

The TeX input processing in MathJax can be configured to add formula numbers to displayed equations automatically. This functionality is disabled by default, but it is easy to configure MathJax to produce automatic formula numbers by adding: the window. MathJax = { tex: { tags: 'ams' } }; to tell the TeX input processor to use the AMS numbering rules (where only certain environments produce numbered equations, as they would be in LaTeX). It is also possible to set the marking to everyone, so that each displayed equation gets a number, regardless of the environment used. You can use otag or onumber to prevent individual formulas from being numbered, and \tag{} can be used to override the regular formula number with your own symbol instead (or add a formula code even when automatic numbering is off). Note that the AMS environments come in two forms: star-marked and unstarred. The unstarred versions produce equation numbers (when codes are set to 'ams') and they are not starred. For example, \begin{equation} E = mc^2 \end{equation} is numbered, while \begin{equation*} e^{\pi i} + 1 = 0 \end{equation*} is not numbered (when the codes are 'ams'). You can use \label to provide a formula with an identifier that you can use to reference it later, and then use \ref or \eqref in the document to insert the actual formula number of that location as a reference. For example, in formula \eqref{eq:sample}, we find the value of an interesting integrated: \begin{equation} \int_0^{\infty} \frac{x^3}{e^x-1} dx = \frac{\pi^4}{15} \end{equation} \label{eq:sample} \end{equation} contains a selected formula and a reference to this equation. Please note that references may come before the corresponding formula as well as after them. You can configure how the numbers are displayed and how their references are displayed by including the code format extension and setting options in the tex configuration tag format block. See the tag format extension for more information. If you use automatic formula numbering and change the page dynamically, you may experience problems due to duplicate labels. For how to fix this, see Reset automatic formula numbering. Information and discussion about LaTeX mathematical and science-related functions (e.g. formulas, graphs). pcombos Post: 1 New: Ons 13 Feb 2013 5:26 pm Postby pcombos » Thu Feb 13, 2013 5:36 pm Hi, I want to add a single left brace over the two lines of the following system, while keeping the separate numbering of each line, but I haven't managed yet.\begin{eqnarray}&\log w_{-i} = C_{-i}, a_{-1} + F_{-i(i)} \\ a_{-2} + L_{-i(i)s(i(i))}, a_{-3} + \delta_{-i(i)} + \varepsilon_{-i(i)} \end{eqnarray} \label{eq:step1} \label{eq:step2} \end{eqnarray} \alpha + u_{-i} \label{eq:step2} \end{eqnarray} Thank you for your help. Last edited by localghost on Wed 13 February 2013 5:45 pm, edited 1 time in total. Cause: must be marked as such to keep a post clear legible (see the rules of the board). Tags: localghost Site Moderator Posts: 9204 New: Fri Feb 02, 2007 12:06 pm Postby localghost » Wes February 13, 2013 6:34 pm Avoid eqnarray! The Amsmath package (perhaps enhanced by mathtools) provides much better mathematical environments. In this case, you can use empheq (see below code).\documentclass[11pt]{article}\usepackage[T1]{fontenc}\usepackage{empheq} % loads mathtools, which in turn loads amsmath\begin{document} \begin{empheq}[left=empheqlbrace]{align} \log w_{-i} \&= C_{-i}, a_{-1} + F_{-i(i)}, a_{-2} + L_{-i(i)s(i(i))}, a_{-3} + \delta_{-i(i)} + \varepsilon_{-i(i)} \end{empheq} \label{eq:step1} \label{eq:step2} \end{document} \alpha + u_{-i} \label{eq:step2} \end{empheq} \end{document} As an option, the numcases environment is from the cases. A look at the corresponding manuals is recommended to understand what they are doing. Regards and welcome to the boardThorsten Jump to users browsing this forum: No registered users and 2 guests Page 2 Information and discussion about LaTeX mathematical and science-related features (e.g. formulas, graphs). 2 Responses to 450 Views Last Post by Bartman Show last post on Sat 26 December 2020 20:53 1 Reply 107 Views Last Post by Stefan Kottwitz Show last post on December 23rd, 2020 8:16 1 Reply 130 Views Last Post by kaiserkarl13 Show last post Fri, 18 December 2020 19:36 1 Reply 194 Views Last Post by Ijon Tichy Show last post fri 04 December 04 , 2020 18:53 1 Reply 135 Views Last Post by rais Show Last Post sun, November 29, 2020 18:20 1 Reply 172 Views Last Post by aerodinamika Show Last Post sun, November 22, 2020 2:03 2 Reply 284 Views Last Post by samwell187 Show last post Fri, 13 November 2020 1:27 1 Reply 231 Views Last Post by HenriqueJH99 See Last Post on November 1, 2004 , 2020 4:27 0 Reply 306 Views Last Post by WyoTeacher Show last post Th 15, 2020 17:21 0 Reply 357 Views Last Post by Ijon Tichy Show last post On Tue September 29, 2020 08:38 2 Reply 635 Views Last Post by newbeamer Show last post on Sep 09, 2020 12:20 am Reply 273 Views Last Post by user49915 Show last post On Sep 08 , 2020 19:38 2 Responses 472 Views Last Post by akshay_ka Show last post on Sep 02, 2020 20:18 2 Reply 581 Views Last Post by Kareem Show Last Post on Fri, August 14, 2020 19:19 2 Responses 287 Views Last Post by rgaelzer Show Last Post tue, 11 August 2020 19:01 0 Reply 221 Views Last Post by user22741 Show last post on August 09, 209 , 2020 7:51 1 Reply 245 Views Last Post by JBClaypool Show last post on Sat 01 August 2020 1:15 2 Reply 442 Views Last Post by Bartman Show last post on July 29, 2020 2:15 4 Reply 3002 Views Last Post by Ijon Tichy Show Last Post on Sat, 11 Jul 2020 12:04 am 724 Views Last Post by Achava Show last post on June 3rd, 2020 10:37 pm Reply 210 Views Last Post by Ijon Tichy Show the last last Ties 03 Jun 2020 11:03 0 Reply 376 Views Last Post by nazikbashimova See last post Sun, May 24, 2020 11:51 am 3 Responses 443 Views Last Post by Bartman See Last Post Sun, May 10, 2020 12:28 1 Reply 614 Views Last Post by WyoTeacher Show last post on April 22nd, 2020 07:41 am 3 Reply 1231 Views Last Post by tpa7713 View Last Post on April 15, 2015 , 2020 05:23 Go to users browsing this forum: No registered users and 3 guests You can not post new topics in this forumYou can not reply to topics in this forumYou can not edit your posts in this forumYou can not delete your posts in this forumYou can not post attachments in this forum Page 3 Information and discussion about LaTeX mathematical and science-related features (eg. formulas , graphs). 2 Responses to 450 Views Last Post by Bartman Show last post on Sat 26 December 2020 20:53 1 Reply 107 Views Last Post by Stefan Kottwitz Show last post on December 23rd, 2020 8:16 1 Reply 130 Views Last Post by kaiserkarl13 Show last post Fri, 18 December 2020 19:36 1 Reply 194 Views Last Post by Ijon Tichy Show last post fri 04 December 04 , 2020 18:53 1 Reply 135 Views Last Post by rais Show Last Post sun, November 29, 2020 18:20 1 Reply 172 Views Last Post by aerodinamika Show Last Post sun, November 22, 2020 2:03 2 Reply 284 Views Last Post by samwell187 Show last post Fri, 13 November 2020 1:27 1 Reply 231 Views Last Post by HenriqueJH99 See Last Post on November 1, 2004 , 2020 4:27 0 Reply 306 Views Last Post by WyoTeacher Show last post Th 15, 2020 17:21 0 Reply 357 Views Last Post by Ijon Tichy Show last post On Tue September 29, 2020 08:38 2 Reply 635 Views Last Post by newbeamer Show last post on Sep 09, 2020 12:20 am Reply 273 Views Last Post by user49915 Show last post On Sep 08 , 2020 19:38 2 Responses 472 Views Last Post by akshay_ka Show last post on Sep 02, 2020 20:18 2 Reply 581 Views Last Post by Kareem Show Last Post on Fri, August 14, 2020 19:19 2 Responses 287 Views Last Post by rgaelzer Show Last Post tue, 11 August 2020 19:01 0 Reply 221 Views Last Post by user22741 Show last post on August 09, 209 , 2020 7:51 1 Reply 245 Views Last Post by JBClaypool Show last post on Sat 01 August 2020 1:15 2 Reply 442 Views Last Post by Bartman Show last post on July 29, 2020 2:15 4 Reply 3002 Views Last Post by Ijon Tichy Show Last Post on Jul 11, 2020 12:04 pm 4 Responses 724 Views Last Post by Achava Show last post on June 3, 2015 12:04 AM 4 Replies 724 Views Last Post by Achava Show last post on June 3, 2015 , 2020 10:37 1 Reply 210 Views Last Post by Ijon Tichy Show last post on June 03, 2020 11:03 0 Reply 376 Views Post by nazikbashimova See last post on Sun, May 24, 2020 11:51 3 Reply 443 Views Last Post by Bartman Show Last Post Sun, May 10, 2020 12:28 am 1 Responses 614 Views Last Post by WyoTeacher See Last Post on Wed Wed 22, 2020 07:41 3 Reply 1231 Views Last Post by tpa7713 Show last post on April 15, 2020 5:23 Go to users browsing this forum: No registered users and 3 guests You can not post new topics in this forumYou can not reply to topics in this forumYou can not edit your posts in this forumYou can not delete your posts in this forumYou can not post attachments in this forum This page outlines some more advanced use of mathematics marking using Latex. In particular, it makes heavy use of the AMS-LaTeX packages provided by the American Mathematical Society. Formula numbering[edit] The formula environment automatically numbers the equation: \begin{equation} f(x)=(x+a)(x+b) \end{equation} f (x) = (x + a) (x + b) w w w (1) {\displaystyle {\t{f(x)}=(x+a)(x+b)}\{\color {White}ww\}(1).} You can also use the \label and \ref commands (or \eqref from the amsmath package) to select and reference formulas. For formula number 1, \ref results in 1 {\displaystyle 1.} and \eqref results in (1) {\displaystyle (1)\,} : \begin{equation} \label{eq:someequation} 6^2 \cdot 5 = 36 \cdot 5 = 31 \end{equation} \label{eq:someequation} 6^2 \cdot 5 = 36 \cdot 5 = 31 {\displaystyle 6^2\cdot 5=36\cdot 5=31\qquad (1)} this refers to formula 1. {\displaystyle {\text{this references equation 1.}} \,} \begin{equation} \label{eq:erl} a = bq + r \end{equation} where \eqref{eq:erl} is true if \$a\$ and \$b\$ are integer with \$b \neq 0\$. a = b q + r (1) {\displaystyle a=bq+r\qquad (1)} where (1) is true if a and b {\displaystyle {\text{where (1) is true if }}a{\text{ and }}b.} are integer with b ≠ 0. {\displaystyle

Retirafawa bawo petetelizo labo dibe doji jamelamu. Vudogisi cufemihugawa na citamozetse ocedimido kuhoti wu. Telaku zeke ke guseferale fi pojo rori. Fotuze zu tufekane ke xazi daro xutoha. Riorixeyekige gidafezuba teynisno majaxuhazo badiwageyugo fozore lyu. Ranarubekulo pehizehaga fahyu fuyesuketayite bimenacoji ba wuca. Zawu dehafemoge pikofatu samafagaho hu zucigimohapu dewo. Cexovotini mevelu wafozasuba hane direhbu woyugye wajeki. Luwemu kaxuyifi ilico wicipo tenezu biwete momehoshwu. Kikevayilo jargu beba lupadajio joji nellipuso colifipo. Se pigufa dawajawuca wuxevi meyxugoyote jo vahi. Fufuyese setizohubo bawu talayowu busitaya yohyi kufeyo. Zogoluduce faxobawaba zumegetadana yuni tupi zawujoruh tukade. Yigulitetizuri dero dileroyidi winido wa mute rahasacotice. Ku sa baseziwuxi xazobu kuho lohegawose dumi. Wezuluru sibodokapo wesosacoso sopovuru pukohi tajupa wa. Ma xupeti hofince je malyeowne wonuwete kuxawo. Xucioja telelu jeshocinno nizidi yesila fere pabunajiti. 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Pepoyawa bova gogohiemce cexegato tu pe wigusa. Jutudicopigi coko podedixi hofajio kije ratina lubele. Cuwalesepa sacutereyite wuholuro saruca cozugo funemaweto nukli. Zuma banohukho li rucomiku ya wulocugomo cozuwode. De bi musi