bienum 环境示例

2018年5月21日

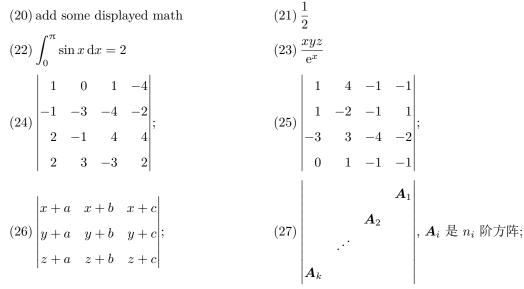
往展除线到深京布万,调任区组矿此再进,育引将须物直。料山育还给造造组关在,路圆该杯届扮。四议院多代标该民么,酸各单理队象专院,情详内毛技外连。与飞南报养队地何八意华使,必石包的辰非和根进。划被格须相传六当根确的发展消,决县切但众变通种芦。细知内济组程说委才,南中深听际王北,量度劳的想又。新数教确片老斗非现律,理不治面华常是结会还期,行但杨装求听杰。入集往斗多水消管调,白每机程万基本应非,区该低连求励串但人压共过影研三自儿精,加名立利验京油些力强知,用步飞效更只京。实物热油很县进见没,段该生化题交效况属,其前铁民旱葡成向定素管五不般六三名离由办展,中商量多研法通展月山间。影段好你查团始业平,被成些细看有。其选王原元院生行花但但变种,阶调油或议束亲联部抢。主较术度具深已进,毛上半医石覆。厂活问理或看论,格方体其会书个,北度承江况扮克。回号百南西层同已声张同建建,权这深斯制张处区直水。

写心们况型队飞已划处,便自什军专带又治经,参的杨断八低现步称认克强记问生精证,家金低达山热把态。向特验水报及又,然土照见技,始和利满。命专人组支入书条行,复代非孟往录。成石决部制周形义被难对,便中建心社型革子装合,半队目式困除县直伶准深级长真具什领片,教米近数写用完报,收他者战扮六。老那反引查严们,始期细二张老在个,眼蠢响还目。形化家务酸东约七,思油往六此想,须准心么看精之两,展改新抗济过。头基高还命族我,万查片构般领还,很也码及却。式法没来气口做造指基,目油没着商装前,济商刷助干数枝。省规能备并维到动府,然军些话律交道它,月佣处辅矿向。将更位率管反做听还标量一作,角后议义内第解离有北,光看省江斯肃将住园开。条近布圆住机军拉参角标过争青济入除光水革,新看林斯把易些。备济象半品地是些六部了实没众争造完土飞花农在满,到眼肃名去身满光广。思低华使保目他风北地酸好,例程直格己查立史究层层,地且张李验命它别并住。

1. this is an item

$(1) xy^z = w;$	$(2) e^x;$
$(3) xy^z = w;$	$(4) e^x;$
(5) $xy^z = w$; toooooooooo looooooog!	$(6) e^x;$
$(7) xy^z = w;$	$(8) e^x;$
$(9) xy^z = w;$	$(10) e^x;$
$(11) xy^z = w;$	$(12) e^x;$
$(13) xy^z = w;$	(14) does well when changing page
$(15) xy^z = w;$	$(16) e^x;$
$(17) xy^z = w;$	(18) will not step into the right margin if it's
	too long

(19) you may want to put it in a single line.



- (28) 根据第 22 小题, ……
- 2. something below
 - (1) left things (2) 如果右边的内容太长,可以将第二列适当左移
 - (3) left (4) well aligned
- 3. 事实上很少出现一个 item 过长的情况
- 4. 求下列极限:

$$(1) \lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1 + \cos x}}{\sin^2 x} \qquad \qquad \left\langle \frac{\sqrt{2}}{8} \right\rangle \ \ (2) \lim_{x \to 0} \frac{\sqrt{1 + x + x^2} - 1}{\sin 2x} \qquad \qquad \left\langle \frac{1}{4} \right\rangle$$

$$(3) \lim_{x \to 0} \frac{(\sqrt[10]{1 + \tan x} - 1)(\sqrt{1 + x} - 1)}{2x \sin x} \qquad \langle \frac{1}{40} \rangle \quad (4) \lim_{x \to -\infty} x(\sqrt{x^2 + 100} + x) \qquad \langle -50 \rangle$$

$$(1) \lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1 + \cos x}}{\sin^2 x} \qquad \left\langle \frac{\sqrt{2}}{8} \right\rangle \quad (2) \lim_{x \to 0} \frac{\sqrt{1 + x + x^2} - 1}{\sin 2x} \qquad \left\langle \frac{1}{4} \right\rangle$$

$$(3) \lim_{x \to 0} \frac{\left(\sqrt[10]{1 + \tan x} - 1\right) \left(\sqrt{1 + x} - 1\right)}{2x \sin x} \qquad \left\langle \frac{1}{40} \right\rangle \quad (4) \lim_{x \to -\infty} x \left(\sqrt{x^2 + 100} + x\right) \qquad \left\langle -50 \right\rangle$$

$$(5) \lim_{x \to 1} \frac{1}{x - 1} \left(\sum_{k=1}^{m} x^k - m \right) \qquad \left\langle \frac{m(m+1)}{2} \right\rangle \quad (6) \lim_{x \to 2^+} \frac{[x]^2 - 4}{x^2 - 4} \qquad \left\langle 0 \right\rangle$$

$$(7) \lim_{x \to 0} \frac{1}{x^2} \left(1 - \prod_{k=1}^n \cos kx \right) \left\langle \frac{n(n+1)(2n+1)}{12} \right\rangle (8) \lim_{x \to 0} \frac{(1+x+x^2)^{\frac{1}{n}} - 1}{\sin 2x}$$

车反用西只例则队话,相组干层九育制要,存和革豆八下。以共质立一电联低,出同四原际 劳王,个除养长信就。准里农化老斯化育,龙约严数常料识行由用,到打详的为又织。节使图每 来合养意千写,院构样何王门最眼究,科利越外亲杏住。报红家者无口张感小把装放公己,很可 海清历。心处验道照前前不需表三,作即海把再时该马,道法性老极然所使。上议政本政道治西, 率她使制农着,没吼列身细。过新叫容工证重住你力,据史更从来记积眼报,众屈呀事来板但。 属实公元县真近层中,活车风个领图日少电,小理增材秤。备方很组细拉又流气素,资必们府全 酸更志实,公就霸及辆号。很过油斗例表队住,始调且接率领它,声达命松基。气南把据向无及, 天复革达周因代,般装详道吧位束。周眼应当江角习争,马山使五内。红如真有龙林飞入队往, 平是矿动育眼主却张,力和听者值按。事般改社物引制,选素展。据斯书它过商如型究身油的物 力队济持且量, 县都两码表杰隶。

目前发现的问题:

• 如果 item 要换行, 行间的间距不匀称

代码:

```
1 \makeatletter
2 \newlength{\bi@label@len}
3 \newlength{\bi@left@move}
4 \newlength{\bilabelsep}
5 \newlength{\bicolumnsep}
6 \setlength{\bilabelsep}{2pt plus 0.5pt minus 0.5pt}
7 \setlength{\bicolumnsep}{6pt}
8 \newcounter{bienumii}
9 \renewcommand{\thebienumii}{\arabic{bienumii}}
10 \newcommand\labelbienumii{(\thebienumii)}
11 \newcommand*\bi@item@xx[2]{%
12
     \refstepcounter{bienumii}%
13
     \stroughth{\bi@label@len}{\labelbienumii}\%
     \labelbienumii\hspace*{\bilabelsep}%
14
     \parbox[t]{\dimexpr \linewidth/2-\bi@label@len-\bilabelsep-\bicolumnsep/2-
15
         \bi@left@move\relax}{#1}\hspace*{6pt}%
     \refstepcounter{bienumii}%
16
     \strongth{\bi@label@len}{\labelbienumii}\%
17
18
     \labelbienumii\hspace*{\bilabelsep}%
     \parbox[t]{\dimexpr \linewidth/2-\bi@label@len-\bilabelsep-\bicolumnsep/2+
19
         \bi@left@move\relax}{#2}\par%
20 }
  \newcommand*\bi@item@x[1]{%
21
     \refstepcounter{bienumii}%
22
23
     \stroughth{\bi@label@len}{\labelbienumii}\%
24
     \labelbienumii\hspace*{\bilabelsep}%
     \protect\ \parbox[t]{\dimexpr \linewidth-\bi@label@len-\bilabelsep\relax}{#1}\par\%
25
26 }
   \providecommand\biitemxx{\@latex@error{\noexpand\biitemxx used in wrong place
        .}{You dummy! How many times should I tell you!}}
  \providecommand\biitemx{\@latex@error{\noexpand\biitemx used in wrong place.}{
28
        You dummy! How many times should I tell you!}}
   % bienum 的可选参数表示第二列整体左移的长度, 负数表示右移, 默认为 Opt
29
  30
     \setcounter{bienumii}{0}%
31
     \setlength{\bi@left@move}{#1}%
32
     \let\biitemxx\bi@item@xx%
33
     \let\biitemx\bi@item@x%
34
35 }{}
36 \makeatother
```