— math-align-basic —

$$\begin{aligned} x &= x + y \\ &= x + 2z \\ &= \sum x \cdot 2z \end{aligned}$$

— math-align-wider-first-column —

$$\begin{aligned} x + 1 &= a^2 + b^2 \\ y &= a + b^2 \\ z &= \alpha \cdot \beta \end{aligned}$$

— math-align-aligned-in-source —

$$\begin{aligned} a + b &= 2 + 3 &&= 5 \\ b &= c &&= 3 \end{aligned}$$

— math-align-cases —

$$f \coloneqq \begin{cases} 1 + 2 & \text{iff } x \\ 3 & \text{if } y \end{cases}$$

— math-align-lines-mixed —

$$\begin{aligned} \mathrm{abc} &= c \\ &= d + 1 \\ &= x \end{aligned}$$

— math-attach-subscript-multiline —

$$\sum_{\substack{n \in \mathbb{N} \\ n \leq 5}} n = \frac{5(5+1)}{2} = 15$$

— math-multiline-no-trailing-linebreak —

$$\mathrm{abc} = c$$

No trailing line break.

— math-multiline-trailing-linebreak —

$$\mathrm{abc} = c$$

One trailing line break.

— math-multiline-multiple-trailing-linebreaks —

$$\mathrm{abc} = c$$

Multiple trailing line breaks.

— math-linebreaking-after-binop-and-rel — $e^{\pi i} + 1 = 0$
$e^{\pi i} + 1 = 0$
$e^{\pi i} + 1 = 0$

— math-linebreaking-lr — $a + b$
$(a + b)$
$(a + b)$

$$a + b$$

— math-linebreaking-multiline — $c + d$

— math-linebreaking-trailing-linebreak — $e^{\pi i} + 1 = 0$

— math-linebreaking-in-box — $a + b$

— math-linebreaking-between-consecutive-relations — $a <= b$
$a <= b$

— math-linebreaking-after-relation-without-space — $<;$
$<;$
$<)$
$<)$

— math-linebreaking-empty —
Nothing: , just empty.

— math-pagebreaking —

$$
\begin{aligned}
&a + b + \ c \\
&a + b \qquad + d \\
&a + b + c + d
\end{aligned}
$$

$$
\begin{aligned}
& c+d \\
&= 0
\end{aligned}
$$

$$
\begin{aligned}
&a+b+\ c\\
&a+b\qquad +d\\
&a+b+c+d
\end{aligned}
\tag{1}
$$

$$c + d$$
$$= 0$$

— math-pagebreaking-single-line —

Shouldn't overflow:

$$a + b \qquad 2$$

— math-pagebreaking-single-line-numbered —

Shouldn't overflow:

$$a + b \tag{3}$$

— issue-5113-pagebreaking-empty —

(4)

— issue-1948-math-text-break —

$$x := \begin{matrix} \mathrm{a} \\ \mathrm{b} \\ \mathrm{c} \end{matrix} \tag{5}$$

— issue-4829-math-pagebreaking-wrong-number —

$a + b$

$$a + b$$