

Tests

- Having a referenced equation with reference before 1

$$d - d = 0 \tag{1}$$

$$d - d = 0$$

2

$$\begin{array}{c} a \\ b \end{array} \tag{2}$$

- Having a referenced equation with reference after

$$c^2 = cc \tag{3}$$

3

- Having an unlabeled equation

$$a^2 + b^2 = c^2$$

- Having a labeled, but unreferenced equation

$$\sqrt{a}$$

- Having a labeled equation with a very strange label 4

$$\sqrt{b} \tag{4}$$

- Check for spurious whitespace around reference (5)

$$b_c \tag{5}$$

- Placing the number in long equations 6

$$\sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum \sum a \tag{6}$$

- Printing the number without referencing (needs autonum)

$$E = mgh \tag{7}$$

- Using a ref inside a caption
- Using a cref inside a caption
- Using cref with one argument

$$g \tag{8}$$

eq. (8)

ref

Figure 1: 6

cref

Figure 2: eq. (6)

- Using cref with two arguments

$$cr = ef \tag{9}$$

eqs. (8) and (9)

- Using otherwise unused cref with two arguments (needs autonum)

$$cr = ef \tag{10}$$

$$cr = ef \tag{11}$$

eqs. (10) and (11)

- Using align 12, 13

$$a \tag{12}$$

$$b$$

$$c \tag{13}$$

- Using gather 14, 15

$$a \tag{14}$$

$$b$$

$$c \tag{15}$$

- Using multiline without referencing

$$a$$

$$c$$

- Using multiline with referencing 16

$$a$$

$$c \tag{16}$$

- Using flalign with referencing 17

$$a$$

$$c \tag{17}$$

- Using alignat with referencing 18

$$\begin{array}{l} x = yy \implies y = x \\ y = z \implies z = y \end{array} \quad (18)$$

- short one-line shortcut

$$n$$

- align, numbering always

$$a = l \quad (19)$$

(needs autonum)

- gather, numbering always

$$g = a \quad (20)$$

(needs autonum)

- multline, numbering always (and avoiding overfull hbox warning)

$$m = u \rule{10cm}{0.4pt} = v \quad (21)$$

(needs autonum)

- equation, numbering always

$$e = q \quad (22)$$

(needs autonum)

- shortcut and split 23

$$\begin{array}{l} s \\ p \end{array} \quad (23)$$

(needs autonum)

- equation and split 24

$$\begin{array}{l} s \\ p \end{array} \quad (24)$$

1 Using ref in section 1

text

2 Using cref in section 2

text

Figure 3: Ref 2: section 2 and 2

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