# Correction Spacings: eqnarray(\*), aligned, alignedat, and gathered

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# 1 Descriptions

We will fix some expression environments spacing. It is a correction in the horizontal spacing of the alignment.

# 2 Usage

#### 2.1 Preamble

\usepackage{amsmath}
\usepackage{correctmathalign}

Remark: amsmath package is optional: if you use aligned, alignedat, or gathered environments.

#### 2.2 Options

- latexorg: original behavior of LaTeX/amsmath package
- fleqn: corresponds to class file and/or amsmath package's fleqn option

# 3 File with Original Definitions

- eqnarray: latex.ltx
- \start@aligned and gathered: amsmath.sty

#### 4 License

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$$I = H(x + 1)$$
  $I = H(x)$   
 $I = H(x + 1)$   $I = H(x + 1)$   
 $I = H(x + 1)$   $I = H(x)$   
 $I = H(x + 1)$ 

Figure 1: eqnarray\* environment by LATEX default.

Figure 2: aligned environment by amsmath.sty default.

# 5 Samples

Cf. defaults of LATEX and amsmath.sty (Figures 1 and 2).

$$I = H(x + 1)$$
  $I = H(x)$   
 $I = H(x + 1)$   $I = H(x)$   
 $I = H(x)$   $I = H(x)$   
 $I = H(x)$   $I = H(x)$ 

### 5.1 Use LATEX code