Standard

Standard typesetting of intervals

(a, b) (a, b) $\left(\dfrac{1}{2}, \dfrac{2}{3}\right)$ $\left(\dfrac{1}{2}, \dfrac{2}{3}\right)$

$[a, b]$

$[a \mathbin{..} b]$

$(-\infty, b]$

(a, ∞) $(a, +\infty)$

$(-\infty, \infty)$ $(-\infty, +\infty)$

$(1, 2) \cup [2, 3) = (1, 3)$

Perverse

Perverse (aka French) typesetting of intervals

$]a, b[$ $]a, b[$ $\left]\dfrac{1}{2}, \dfrac{2}{3}\right[$ $\left]\dfrac{1}{2}, \dfrac{2}{3}\right[$

$[a, b]$

$[a \mathbin{..} b]$

$]-\infty, b]$

$]a, \infty[$ $]a, +\infty[$

$]-\infty, \infty[$ $]-\infty, +\infty[$

$]1, 2[\cup [2, 3[=]1, 3[$