# Sample equations

(default settings)

## LibreOffice Math

$$\int\limits_0^1 \frac{3\,dx}{x^2+1}$$

$$G_{x_m x_n}^{(\alpha,\beta)} = \begin{bmatrix} \arctan(\alpha) & \arctan(\beta) \\ x_m + x_n & x_m - x_n \end{bmatrix}$$

## TeXmacs equations

$$\int_0^1 \frac{3\,dx}{x^2+1}$$

$$G_{x_m x_n}^{(\alpha,\beta)} = \left[ \begin{array}{cc} \arctan(\alpha) & \arctan(\beta) \\ x_m + x_n & x_m - x_n \end{array} \right]$$