

Simple fraction:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Formula with fractions:

$$\varphi_0(t) = \varphi_2(t) \int \frac{\varphi_1(t)q(t)}{W(t)} \, dt - \varphi_1(t) \int \frac{\varphi_2(t)q(t)}{W(t)} \, dt$$

Fractions in matrices:

$$A = \begin{pmatrix} \frac{1}{\sqrt{2}} & -\frac{1}{\sqrt{2}} \\ \frac{1}{\sqrt{2}} & \frac{1}{\sqrt{2}} \end{pmatrix}$$

Increase size with `\displaystyle`:

$$A = \begin{pmatrix} \frac{1}{\sqrt{2}} & -\frac{1}{\sqrt{2}} \\ \frac{1}{\sqrt{2}} & \frac{1}{\sqrt{2}} \end{pmatrix}$$

Max
 $v \in X$
 $\overset{a}{b}$
 $\overset{a}{b}$
 $\overline{\Omega}$
 $\frac{W}{\circ}$
 $\overset{\circ}{\Omega}$
 $\overset{W}{\sim}$
 $\overset{2}{\prod}_3^4$