

Equations in L^AT_EX

Equation 1

$$\begin{aligned}x &= \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \\&= \frac{-2 \pm \sqrt{2^2 - 4 * (1) * (-8)}}{2 * 1} \\&= \frac{-2 \pm \sqrt{4 + 32}}{2}\end{aligned}$$

Equation 2

$$\begin{aligned}\varphi_\sigma^\lambda A_t &= \sum_{\pi \in C_t} \text{sgn}(\pi) \varphi_\sigma^\lambda \varphi_\pi^\lambda \\&= \sum_{\tau \in C_{\sigma t}} \text{sgn}(\sigma^{-1} \tau \sigma) \varphi_\sigma^\lambda \varphi_{\sigma^{-1} \tau \sigma}^\lambda \\&= A_{\sigma t} \varphi_\sigma^\lambda\end{aligned}$$