

Ионное произведение воды

$$[H^+] = C \cdot \alpha$$

$$1000$$

$$C = \frac{\quad}{18} = 55,5 \text{ моль/л}$$

$$18$$

$$\lambda$$

$$\alpha = \frac{\quad}{\lambda_{\infty}}; \lambda = \kappa \cdot V$$

$$\lambda_{\infty}$$

$$55,5 \cdot 5,5 \cdot 10^{-8} \cdot 18$$

$$[H^+] = \frac{\quad}{489} = 1 \cdot 10^{-7}$$

$$489$$

$$[H^+][OH^-] = 10^{-7} \cdot 10^{-7} = 10^{-14}$$