9. Дано $n=50$, $\dfrac{A_{\Gamma 0}}{A_{\Gamma 0}}$ $\dfrac{A_0}{A_{\Gamma 0}}=2$

Найдём $Q=\dfrac{\pi}{\lambda}$

$$\dfrac{A_0}{A_{\Gamma 0}} = e^{-\tau}e^{\tau 0 \theta \tau} = 2$$

$$\Rightarrow \quad \theta\tau = \dfrac{\ln 2}{50}$$

$$\Rightarrow \quad \lambda = \dfrac{\ln 2}{50}$$

$$Q = \dfrac{50\pi}{\pi \ln 2} \approx 227$$

Ответ: 227