

$$\begin{aligned}\tanh(a) &= \tanh(5) \\ &= 0.99991\end{aligned}$$

$$\begin{aligned}\Delta(\tanh(a)) &= |\tanh(a)| \sqrt{\left(\frac{\Delta \sinh(a)}{\sinh(a)}\right)^2 + \left(\frac{\Delta \cosh(a)}{\cosh(a)}\right)^2} \\ &= |0.99991| \sqrt{0.25002^2 + 0.24998^2} \\ &= 0.35352\end{aligned}$$

$$\therefore \tanh(a) = 0.99991 \pm 0.35352$$