$$\operatorname{arccosh}(a) = \operatorname{arccosh}(120)$$
  
= 5.48062

$$\Delta \left(\operatorname{arccosh}(a)\right) = \frac{1}{\sqrt{\left(a\right)^2 - 1}} \cdot \Delta \left(a\right)$$
$$= \frac{1}{\sqrt{120^2 - 1}} \cdot 120$$
$$= 0.00208$$

 $\therefore \operatorname{arccosh}(a) = 5.48062 \pm 0.00208$ 

$$\begin{aligned} \operatorname{arccosh}\left(a\right) &= \operatorname{arccosh}\left(120\right) \\ &= 5.48062 \end{aligned}$$

$$\Delta \left(\operatorname{arccosh}(a)\right) = \frac{1}{\sqrt{\left(a\right)^2 - 1}} \cdot \Delta \left(a\right)$$
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 $\therefore \operatorname{arccosh}(a) = 5.48062 \pm 0.00208$