

Answer on Question # 41584 – Math – Trigonometry

Evaluate.

$$\tan^{-1}[\tan(\pi/4)]$$

Simplify your answer. Type your answer in radians. Type an exact answer, using π as needed. Use integer or fractions for any numbers in the expression.

Answer.

$$\tan^{-1}\left[\tan\left(\frac{\pi}{4}\right)\right] = \tan^{-1}(1) = \arctan(1) = \frac{\pi}{4} + \pi n \quad (n = 0, 1, 2, \dots)$$