

12 What is the angular velocity of the Earth as it rotates on its axis?

A $1.75 \times 10^{-3} \text{ rad s}^{-1}$

B $1.99 \times 10^{-7} \text{ rad s}^{-1}$

C $4.36 \times 10^{-3} \text{ rad s}^{-1}$

D $7.27 \times 10^{-5} \text{ rad s}^{-1}$