24 A rectangular coil of wire lies in a uniform magnetic field of 0.30 T. The field is perpendicular to the plane of the coil. The coil is stretched from dimensions 0.20 m × 0.50 m to 0.20 m × 0.80 m in 2.0 seconds.

What is the average emf induced in the coil during this time?

A   0.009 V   **B**   0.018 V   **C**   0.027 V   **D**   0.036 V