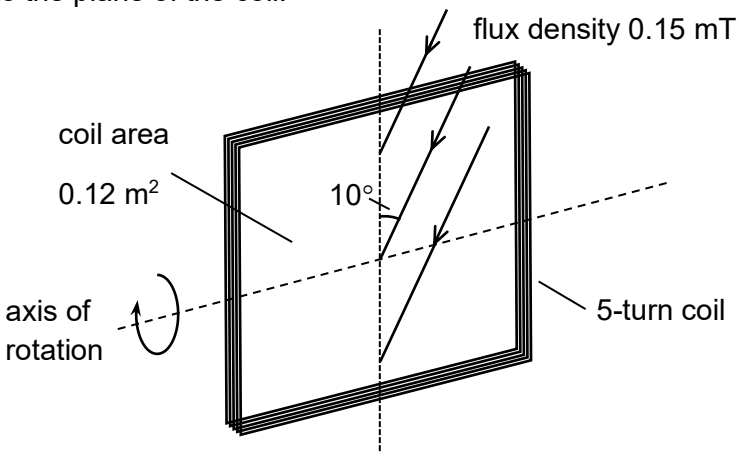
27 A coil has area 0.12 m^2 and 5 turns. A uniform magnetic field of flux density 0.15 mT acts at an angle 10° to the plane of the coil.



What is the change in magnetic flux linkage when the coil rotates such that the angle between the flux density and the plane of the coil is reduced to zero?

A 1.56×10^{-5} Wb **B** 8.86×10^{-5} Wb **C** 1.56×10^{-2} Wb **D** 8.86×10^{-2} Wb