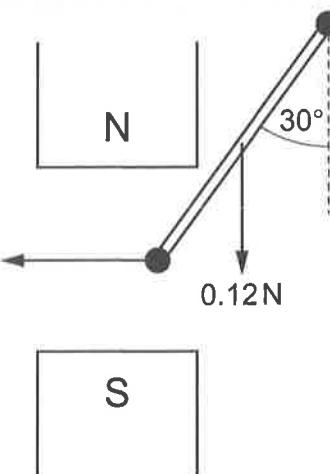


- 24 A rigid square coil of side 60 mm has 50 turns. It hangs vertically so that it can rotate freely about one side.

When a current of 0.40 A passes through the coil, it hangs at an angle of 30° to the vertical with its lowest side in the vertical magnetic field of a magnet. The weight of the coil is 0.12 N.



What is the flux density of the field between the magnets?

- A 0.029 T B 0.058 T C 0.087 T D 1.4 T

