Exercise 1

An coil of 10 turns is in the shape of an equilateral triangle of side 4 cm. The coil is in a magnetic field of strength 0.01 T parallel to the plane of the loop. The current in the coil is 0.1 A. Find the torque acting on the coil.

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\text{[Ans. } 4\sqrt{3} \times 10^{-6}\text{N-m]}\]