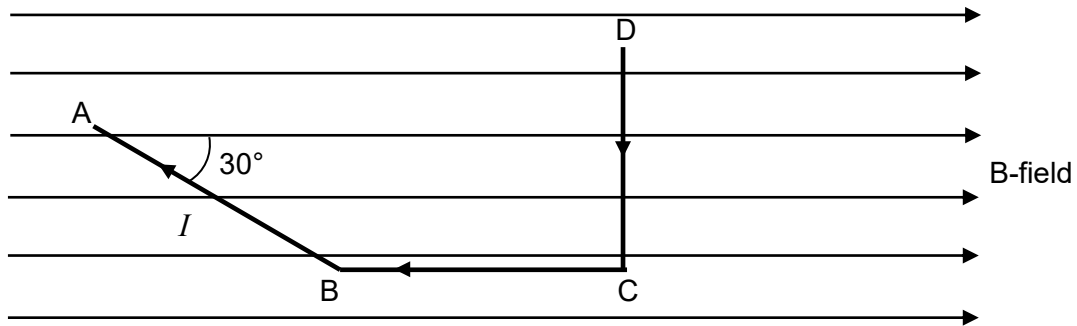


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The figure below shows a wire ABCD placed in a uniform magnetic field of flux density 0.50 T. The current,  $I$ , flowing through the wire is 1.0 A. The lengths of AB, BC and CD are 20 cm each.



What is the net force on the wire ABCD?

|

**A**

0.050 N out of the plane of the paper

**B**

0.050 N into the plane of the paper

|

**C**

0.15 N out of the plane of the paper

|

**D**

0.15 N into the plane of the paper