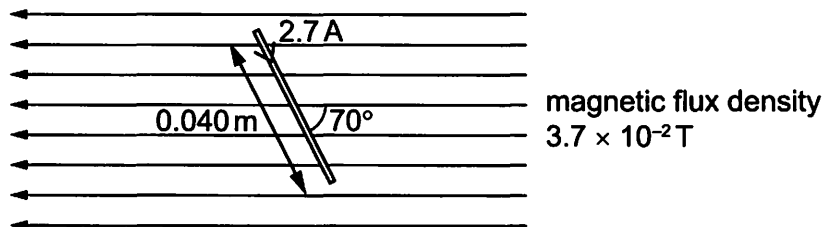


- 24 A wire of length 0.040 m is at an angle of 70° to a magnetic field of flux density $3.7 \times 10^{-2}\text{ T}$, as shown.



The current through the wire is 2.7 A .

What is the force on the wire and the direction in which the force acts?

	force on the wire / N	direction in which the force acts
A	1.4×10^{-3}	into the paper
B	1.4×10^{-3}	out of the paper
C	3.8×10^{-3}	into the paper
D	3.8×10^{-3}	out of the paper