

Magnetic Field of a Current Element

The strength of the magnetic field that the current-carrying conductor produces at point C is B . When the strength of the magnetic fields that the part 1, 2 and 3 of the conductor produces at C are: B_1 , B_2 and B_3 , which of the following is equivalent to B ?

- a) $B_1 + B_2$
- b) $B_1 + B_3$
- c) $B_2 + B_3$
- d) B_1
- e) B_2
- f) B_3
- g) I don't know

