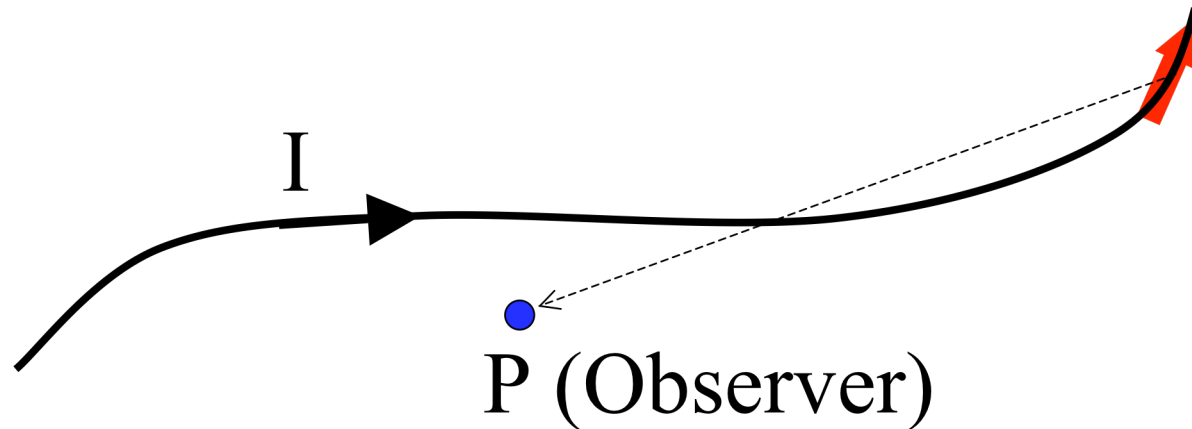


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What do you expect for direction of $\mathbf{B}(P)$?
How about direction of $d\mathbf{B}(P)$ generated
JUST by the segment of current $d\mathbf{l}$ in red?



- A) $\mathbf{B}(p)$ in plane of page, ditto for $d\mathbf{B}(P, \text{ by red})$
- B) $\mathbf{B}(p)$ into page, $d\mathbf{B}(P, \text{ by red})$ into page
- C) $\mathbf{B}(p)$ into page, $d\mathbf{B}(P, \text{ by red})$ out of page
- D) $\mathbf{B}(p)$ complicated - has mult component (*not* \perp or \parallel to page), ditto for $d\mathbf{B}(P, \text{ by red})$
- E) Something else!!