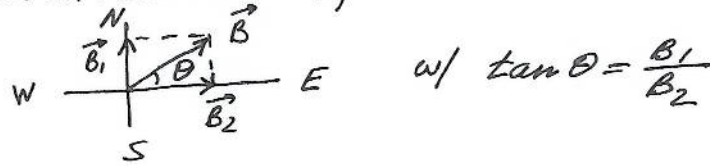


Chapter 19

19.1

in direction of $\vec{B} = \vec{B}_1 + \vec{B}_2$



19.18

$$B_z = 7.5 \times 10^{-3} \text{ T}$$

19.20

$$B = 2.8 \times 10^{-6} \text{ T}$$

19.22

$$B_{\text{net}} = 0$$

19.28

$$B = 10 \times 10^{-3} \text{ T}$$

19.30

$$B = 63 \text{ T}$$

19.31

$$I = 0$$

19.34

$$B = 0 \quad (\text{since } \Sigma I = 0)$$

19.36

$$B = 2.7 \times 10^{-4} \text{ T}$$

19.42

$$I = 680 \text{ A}$$

19.58

$$\vec{F}_m = q \vec{v} \times \vec{B} \quad \text{in } +z\text{-direction}$$

19.64

$$|\vec{F}_m| = 2 \times 10^{-6} \text{ N}$$