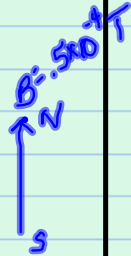


Ex 19.3 p 595 P 14, 15, 19, 20

$I = 22\text{A}$   $E \rightarrow W$



$F = qvB \sin \theta$   $v \perp B$   $F_{max}$

$F = BIl \sin \theta$

Tesla: Amps · m = Newton

$F = ?$

$l = 36\text{m}$

$F = BIl \sin \theta$

$= .5 \times 10^{-4} (22) (36)$

$= 4 \times 10^{-2} \text{N}$

( $F \otimes$   
if I was  $W \rightarrow E$ ,  $F \odot$ )

(if I was  $N \rightarrow S$ ,  $F = 0$   
 $v \parallel B$ )

