



























Force on Electric Char	ge Mov	ing in a I	Aagn	etic l	Field
Problem 20-10					
Determine the magnitude a electron traveling horizont vertically upward magnetic	nd dired ally v= 8 field of	ction of the 3750 m/s, t strength 0	force the e .75 T.	on ar east in th	ı ıa
Direction?		\sim	ار ۱		
$F_M = qvB$		Θ	۲	۲	east
$F_{\rm M} = (1.6 \text{ x} 10^{-19} \text{ C})(8.75 \text{ x})$	10 ³ m/s)(0.75T)			
$F_M = 1.05 \ge 10^{-15} $ N					



























