





















Physics 218, Spring 2004



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Example			
Griffiths problem 12.45 : Two charges $\pm q$, are on parallel trajectories a distance <i>d</i> apart, moving with equal speeds <i>v</i> in opposite directions. We're interested in the force on $+q$ due to $-q$ at the instant they cross. Fill in the following table, doing all the consistency checks you can think of as you go along.			
	Our rest frame (A)	+q rest frame (B)	-q rest frame (C)
E at + q due to - q			
B at $+q$ due to $-q$			
F on $+q$ due to $-q$			
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