Minkowski suggested a better way to write K^μ is in terms of the field tensor, $F^{\mu\nu}$,

$$K^\mu = \frac{dp^\mu}{d\tau} = q\eta_\nu F^{\mu\nu}$$

What are the units of the components of the field tensor?

A. $\frac{N}{m}$
B. T
C. $\frac{Ns}{Cm}$
D. $\frac{V}{m}$
E. None or more than one of these

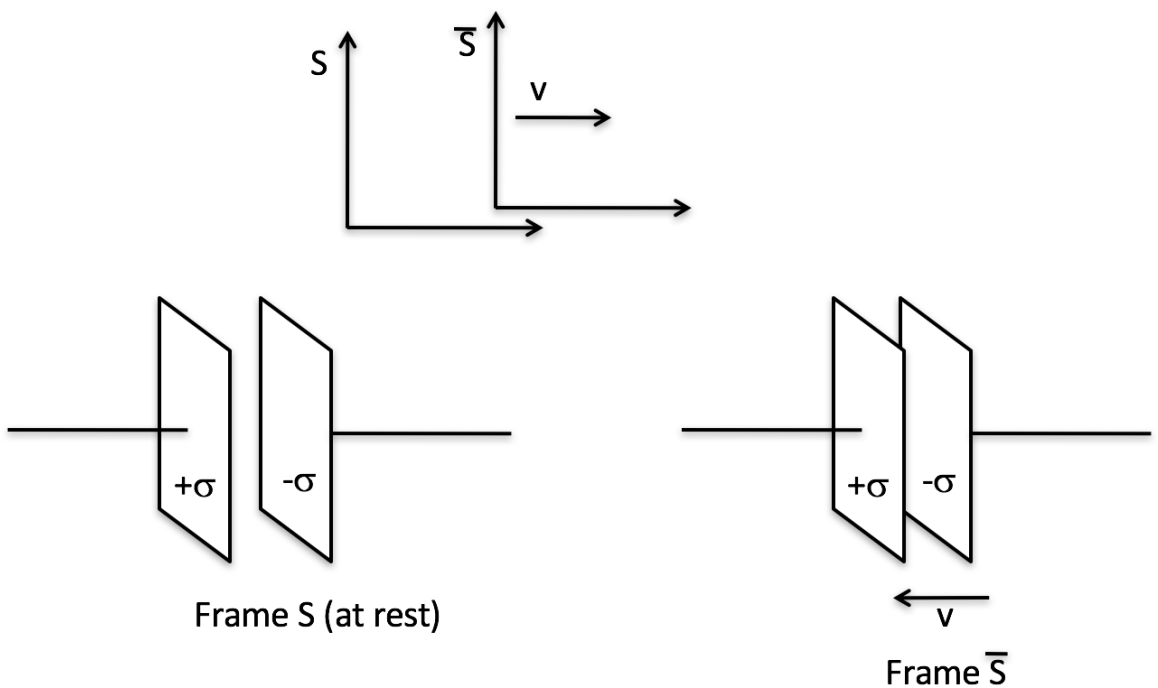
Switch from frame S to frame $\bar{S}$:

How does E_x compare to $\bar{E}_x$?

A. $\bar{E}_x = E_x$

B. $\bar{E}_x > E_x$

C. $\bar{E}_x < E_x$



Consider the equation

$$\frac{\partial G^{\mu\nu}}{\partial x^{\nu}} = 0$$

How many ordinary equations is that really?

A. 1

B. 4

C. 6

D. 16

E. ????