

Electric Field Strength (E)

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$Q \equiv$ Creates a field.

$E = \frac{F}{q}$ [N/C] $q \equiv$ Test charge "+"

$F = E \cdot q$ = Electric force on test charge

$F = \frac{N}{C} \cdot [C]$ = Newtons.

Feb 9-9:53 AM

Gravity	Electric.
$F_g = G \frac{m_1 m_2}{d^2}$	$F_e = K \frac{q_1 q_2}{r^2}$
$G = 6.63 \times 10^{-11}$	$K = 9.0 \times 10^9$
$g = \frac{F}{m}$	$E = \frac{F}{q}$
$F = mg$	$F = qE$

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