3 April 2018 formulas in physics:

Ed = V (uniform field strength (electric field))

F = Eq (field and force (electricity))

$qV= \frac{mv^{2}}{2}$ (charge, Voltage, mass, velocity, electricity, mechanics)

λD = ax Young double-slit experiment (waves)

d sinA = nλ diffraction grating (waves)

For R = r power loss is maximum (electrical circuits)

$R=\frac{ρL}{A}$ (resistance, resistivity (electricity))

$T=2π\sqrt{\frac{L}{g}}$ (pendulum harmonic oscillator period (solid mechanics))

$T=2π\sqrt{\frac{m}{k}}$ (spring harmonic oscillator period (solid mechanics))

$T=2π\sqrt{\frac{J}{c}}$ (rotational harmonic oscillator period (solid mechanics))

$T=2π\sqrt{LC}$ (LC circuit harmonic oscillator period (electricity))

$y=A\sin(\left(ω\left(t - \frac{x}{v}\right)\right)),$ ω = 2πf, $f= \frac{1}{T} $(waves)

$y\_{1}+ y\_{2}=2A\cos(\left(\frac{ωx}{v}\right))\sin(\left(ωt\right))$ standing waves.

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ddu = neutron (quarks, nuclear physics)

uud = proton (quarks, nuclear physics)