

CARD OF SELECTED PHYSICAL FORMULAS

KINEMATICS $\vec{v} = \frac{\Delta \vec{r}}{\Delta t}$ $\vec{a} = \frac{\Delta \vec{v}}{\Delta t}$	DYNAMICS $\vec{a} = \frac{\vec{F}}{m}$ $W = Fr$ $P = \frac{W}{t}$ $PE = mgh$ $KE = \frac{mv^2}{2}$ $Q = mg$
THERMODYNAMICS $Q = cm\Delta T$ $Q_m = L_m m$	PRESSURE, FLUIDS $p = \frac{F}{S}$ $p = dgh$ $F_A = m_l \bullet g = d_l Vg$
OPTICS $n = \frac{c}{v}$ $P = \frac{1}{f}$ $\frac{1}{f} = \frac{1}{x} + \frac{1}{y}$	WAVES $\lambda = vT = \frac{v}{f}$ $f = \frac{n}{t}$
ELECTROSTATICS $F = k \frac{qQ}{d^2}$	DIRECT CURRENT $I = \frac{Q}{t}$ $R = \frac{V}{I}$
NUCLEAR PHYSICS $N = N_0 \left(\frac{1}{2}\right)^{\frac{t}{T_{1/2}}}$ $A = \frac{\Delta N}{\Delta t}$	HYDROGEN ATOM $E = hf = -13,6eV \left(\frac{1}{n^2} - \frac{1}{m^2}\right)$

ELECTROMAGNETIC SPECTRUM

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γ Rentgen UV VIS IR MV RTV