

Nuclear

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Waves

$$v = f\lambda$$

$$n = \frac{\sin(\text{big})}{\sin(\text{small})}$$

$$\sin c = \frac{1}{n}$$

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Electricity

$$Q = It$$

$$V = IR$$

$$P = IV$$

$$E = QV$$

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F/M/E

$$v = \frac{d}{t}$$

$$a = \frac{\Delta v}{t}$$

$$F = ma$$

$$W = mg$$

$$W = Fd$$

$$\text{GPE} = mgh$$

$$\text{KE} = \frac{1}{2}mv^2$$

$$\text{efficiency} = \frac{\text{useful energy output}}{\text{total energy input}}$$

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EMag

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SLG

$$\rho = \frac{m}{V}$$

$$p = \frac{F}{A}$$

$$p = \rho gh$$