5 Equations That Changed the World

In memory of James Clerk Maxwell

Complied by:

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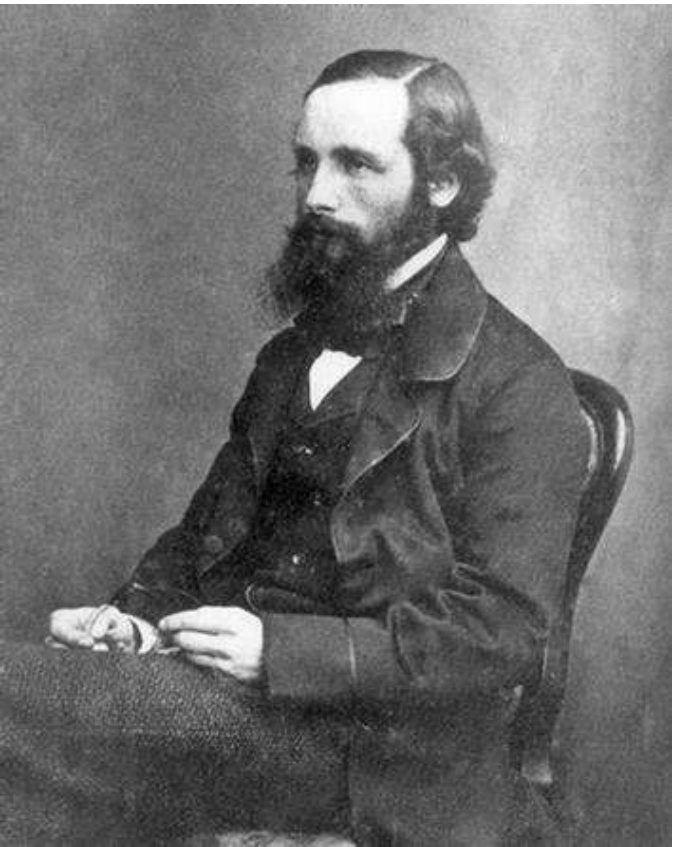
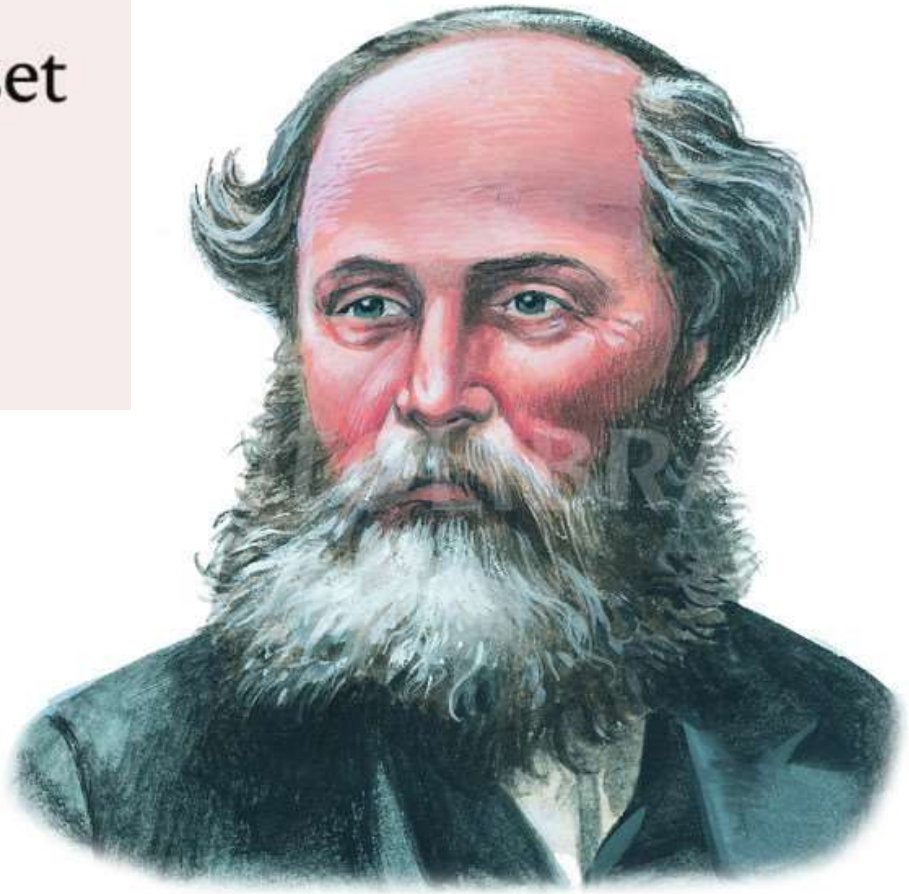
Man of Science, Man of God:

James Clerk Maxwell

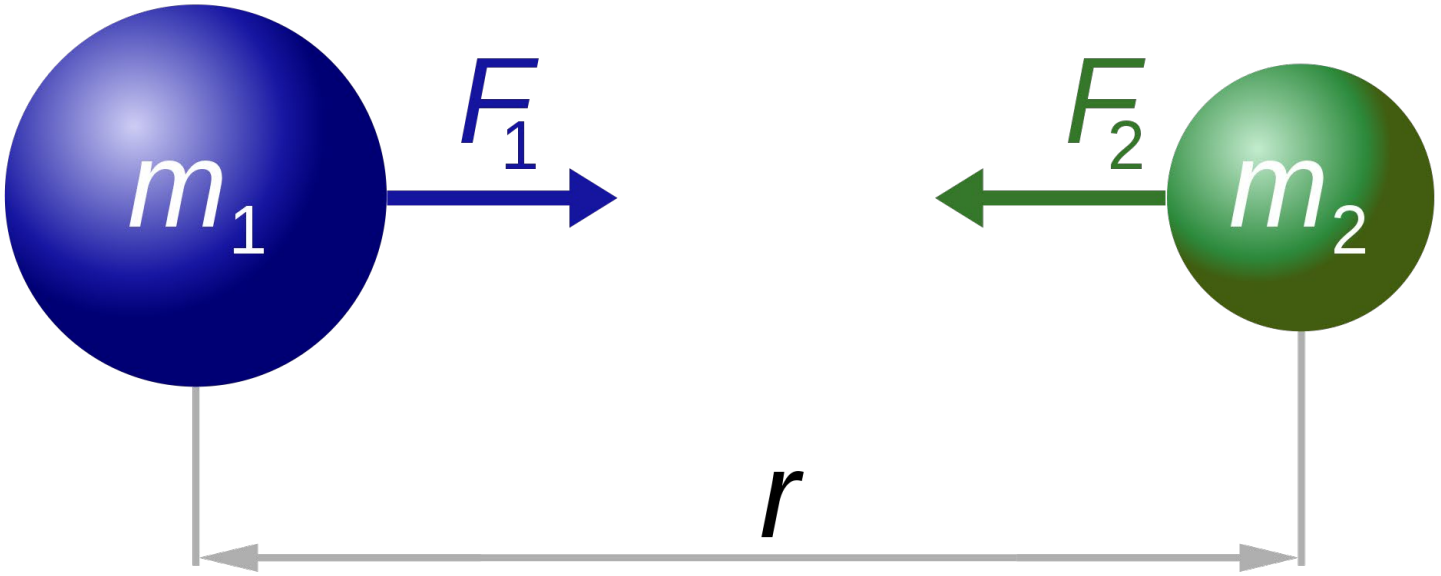


I have the capacity of being more wicked than any example that man could set me.

- James Clerk Maxwell -

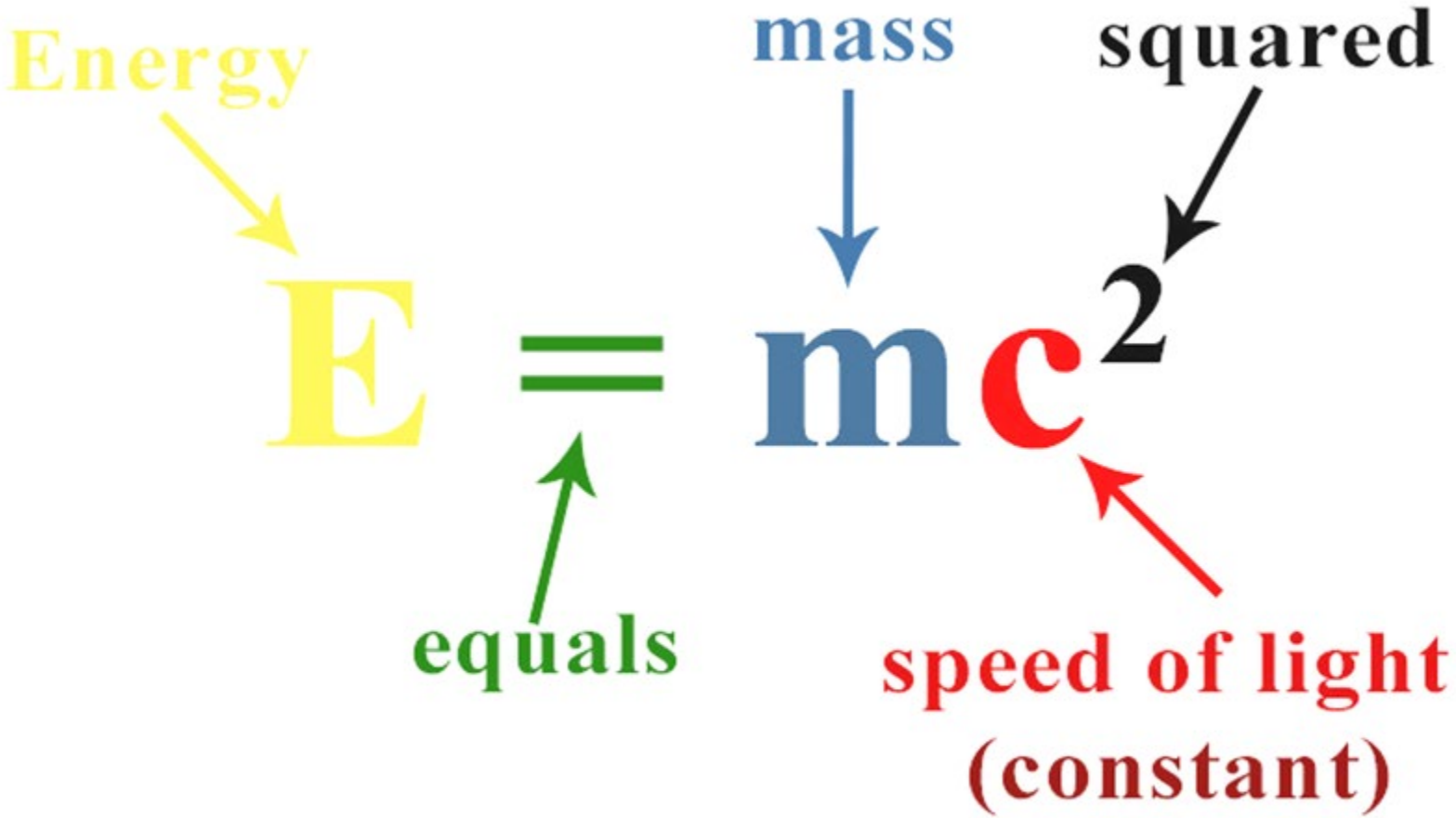


Newton's law of universal gravitation



$$F_1 = F_2 = G\frac{m_1 \times m_2}{r^2}$$

2 Mass-energy equivalence



Second Law of Thermodynamics

$$\Delta S_{universe} \geq 0$$

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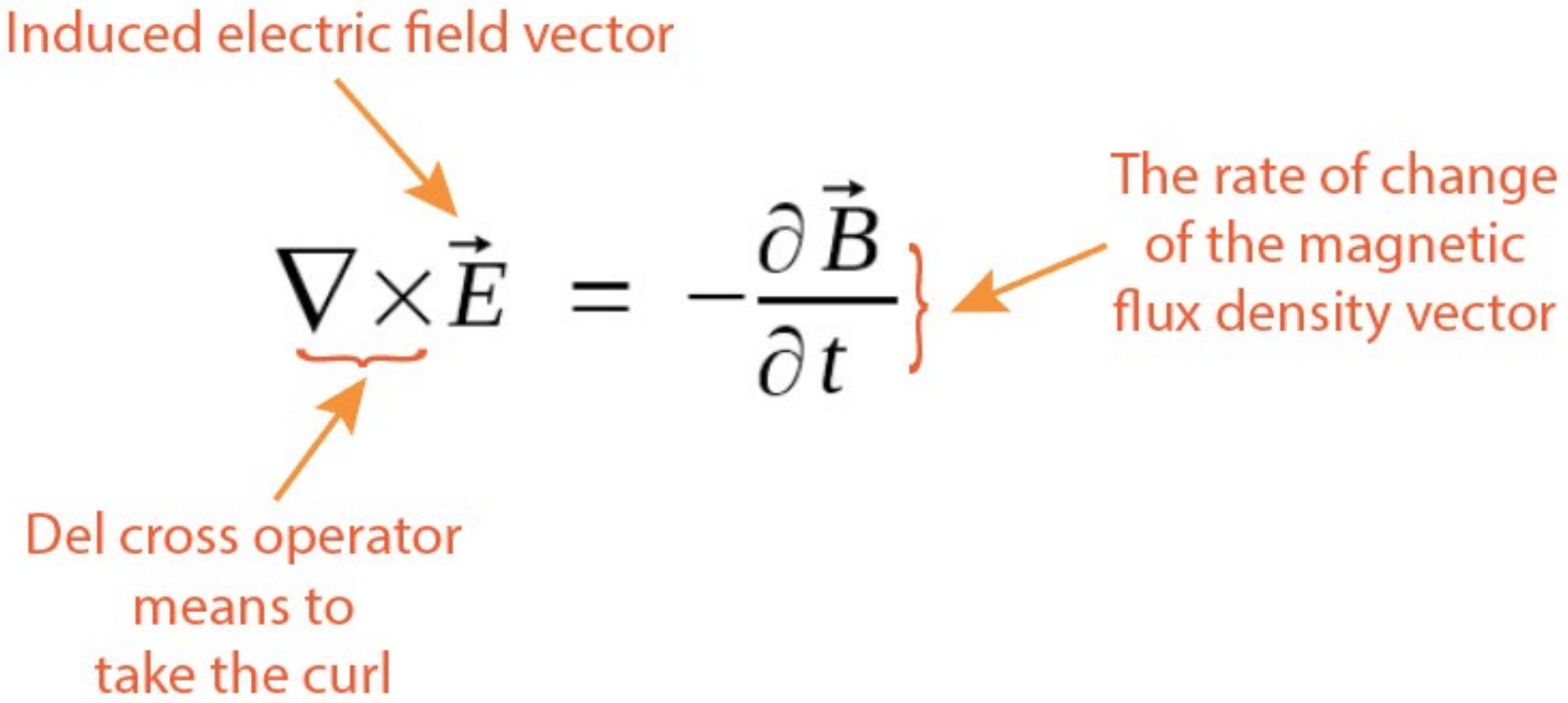
Maxwell–Faraday equation



5

Bernoulli's Equation

$$P + \tfrac{1}{2}\rho v^2 + \rho g h = \text{constant}$$

where P is the pressure, ρ is the density, v is the velocity, h is elevation and g is the gravitational acceleration.

An equation means
nothing to me
unless it expresses
a thought of God.

- Srinivasa Ramanujan