



*"The only laws of matter are those that our minds must fabricate and the only laws of mind are fabricated for it by matter."*

*-James Clerk Maxwell*

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# James Clerk MAXWELL

1831-1879

## SCOTTISH MATHEMATICAL PHYSICIST

Maxwell's equations explained light as the propagation of electromagnetic waves; he demonstrated that electric and magnetic fields travel through space as waves moving at the speed of light. His work on color theory enabled him to give the world's first demonstration of color photography in 1861.

*"From a long view of the history of mankind, seen from, say, ten thousand years from now, there can be little doubt that the most significant event of the 19th century will be judged as Maxwell's discovery of the laws of electrodynamics. The American Civil War will pale into provincial insignificance in comparison with this important scientific event of the same decade."* Nobel laureate Richard Feynman, *The Feynman Lectures on Physics*, Vol. II, Lecture 1.

