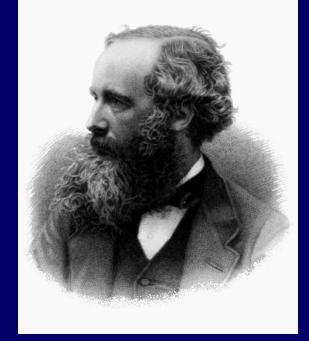
James Clerk Maxwell (1831-1879)

- 4 laws unify electric & magnetic forces:
- 1. E-field generated by electric charge (Gauss' Law Lecture 2)
- 2. No magnetic charges (Lecture 8)
- 3. E-field generated by changing magnetic flux (Faraday's Law Lecture 10)
- 4. B-field generated by moving electric charge
 - & changing electric flux!
 - (Ampere's Law Lecture 9)

Electromagnetic waves!



Physics 102: Lecture 14, Slide 8