



## James Clerk Maxwell and Modern Physics

By Richard Glazebrook

TheClassics.us. Paperback. Book Condition: New. This item is printed on demand. Paperback. 62 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1896 edition. Excerpt: . . . CHAPTER IX. SCIENTIFIC WORK. --ELECTRICAL THEORIES. Clerk Maxwell's first electrical paper--that on Faraday's Lines of Force--was read to the Cambridge Philosophical Society on December 10th, 1855, and Part II. on February 11th, 1856. The author was then a Bachelor of Arts, only twenty-three years in age, and of less than one year standing from the time of taking his degree. The opening words of the paper are as follows (Scientific Papers, vol. i., p. 155) : -- The present state of electrical science seems peculiarly unfavourable to speculation. The laws of the distribution of electricity on the surface of conductors have been analytically deduced from experiment; some parts of the mathematical theory of magnetism are established, while in other parts the experimental data are wanting; the theory of the conduction of galvanism, and that of the mutual attraction of conductors, have been reduced...



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