



# A Physical Treatise on Electricity and Magnetism Volume 1

By James Edward Henry Gordon

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1880 Excerpt: .the total number of noughts and figures after the first number. Thus, 8.5 x 10 is known at once to be 8 followed by 6 figures, the first of which is a 5 and the rest noughts. Page 49. f Thus,  $10 = 10 \times 10 = 100$ ,  $10^- = 10 \times 10 \times 10 = 1000$ , and so ou. In this system of notation the earth s magnetic moment is written  $855 \times 10^-$  which is a much more convenient number both to write and read than the row of noughts above. It shows that the decimal point is to be moved 25 figures to the right. Long decimals are expressed in a similar way, only the index is written with a negative sign. A negative index means that the number is to be divided by 10 that number of times. Thus,  $855 \times 10^{-4}$ ...



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