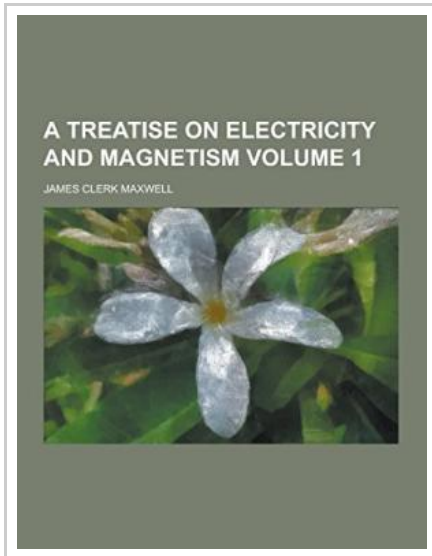




A Treatise on Electricity and Magnetism Volume 1

By James Clerk Maxwell

TheClassics.us. Paperback. Book Condition: New. This item is printed on demand. Paperback. 154 pages. Dimensions: 9.5in. x 7.2in. x 0.5in. 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. 1892 edition. Excerpt: . . . functions of the auxiliary angles, they will be periodic functions of the quantities $a, 3, y$. the periods of x and A_3 are 4. $F(k)$, and that of X_2 is $2F$). Particular Solutions. 150. If V is a linear function of $a, 3$, or y , the equation is satisfied. Hence we may deduce from the equation the distribution of electricity on any two confocal surfaces of the same family maintained at given potentials, and the potential at any point between them. The Hyperboloids of Two Sheets. When o is constant the corresponding surface is a hyperboloid of two sheets. Let us make the sign of a the same as that of x in the sheet under consideration. We shall thus be able to study one of these sheets at a time. Let a_1, a_2 be the values of a corresponding to two single sheets,...



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