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The Practical Applications of Electricity, Lectures (Paperback)

By Institution Of Civil Engineers

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. 1884 Excerpt: . 10. which I want. Now, to find the maximum work which can be transmitted, draw OA at such an angle with OX that its tangent is equal to twice the resistance of the whole circuit, cutting the derived curve in A . Draw the ordinate AC , cutting the characteristic curve in B ; bisect AC at D . The work expended upon the generating machine would be represented by the parallelogram $OCBE$, the work wasted in resistance by $OCDS$, and the work developed in the receiving machine by the parallelogram $SDBE$. When the dynamo-machine is not a series dynamo, but the currents in the armature and in the electro-magnet, though possibly dependent upon each other are not necessarily equal, the problem is not quite so simple. We have, then, two variables, the current in the electro-magnet and the...



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