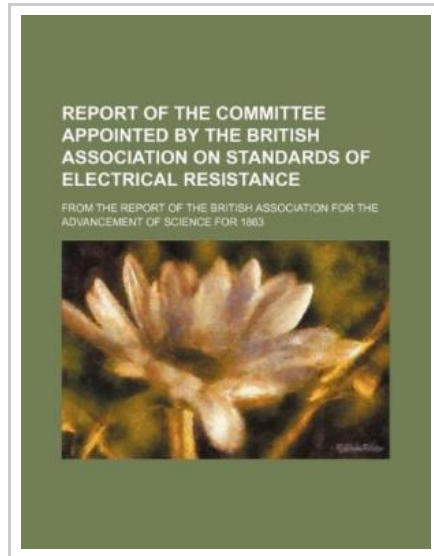




Report of the Committee Appointed by the British Association on Standards of Electrical Resistance; From the Report of the British Association for the Advancement of Science for 1863 (Paperback)

By Books Group

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. 1864 Excerpt: .the number of lines passing through the closed surface will be μi ; and if C be the strength of the current, the amount of work done by bringing the magnet and circuit from an infinite distance to their present position will be $C\mu j$. This shows that the magnetic potential of a closed circuit carrying a unit current with respect to a unit magnetic pole placed at any point is equal to the solid angle which the circuit subtends at that point. By considering at what points the circuit subtends equal solid angles, we may form an idea of the surfaces of equal potential. They form a series of sheets, all intersecting each other in the circuit itself, which forms the boundary of every sheet. The number of sheets is $4\pi r C$, where C is the strength of the current. The lines of magnetic force intersect these...



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