



Alternating-Current Machines Volume 2; Being the Second Volume of Dynamo Electric Machinery Its Construction, Design, and Operation (Paperback)

By Samuel Sheldon

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. 1902 Excerpt: .can be no iron in the path of the leakage flux from the outside coil, so the reluctance will be twice as great. The value that is represented by A for the inner coil becomes $A + 2X + 2g$ for the outer. Likewise B is replaced by $B + 2X + 2g$, g being the space occupied by insulation between the coils. If the secondary circuit is open the secondary coil is idle, equivalent to so much air, and all the flux set up by the primary is leakage flux. As the secondary resistance can be replaced by an equivalent primary resistance, r_{eq} for purposes of calculation, so also the secondary inductance can be replaced by an equivalent inductance in the primary, L_{eq} . These values, L_p and L_3 , are to be used in the formula at the end of the last section for...



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