



## A course in electrical engineering Volume 2

By Chester Laurens Dawes

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 140 pages. Dimensions: 9.7in. x 7.4in. x 0.3in. 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. 1922 Excerpt: . . . the secondary and primary resistances, respectively, as a one-to-one ratio of rotor to stator turns is assumed. Line PG is then drawn. At any load current I, 2 (PE) is the secondary current, being equal to I--I0 vectorially. EA is the energy component of the current I, and therefore the total power input per phase, Pi EA X V The core and friction losses Pc BA X V per phase The primary copper loss Ii2Ri BC X V per phase The secondary copper loss IRz CD X V per phase The output P DE X V per phase Draw PG parallel to PG and tangent to the circle at E. Break-down torque TB CE (to scale). The above diagram is drawn for but one phase of the motor. The values of power, losses, and torque must be multiplied by n if the motor has n...



## Reviews

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