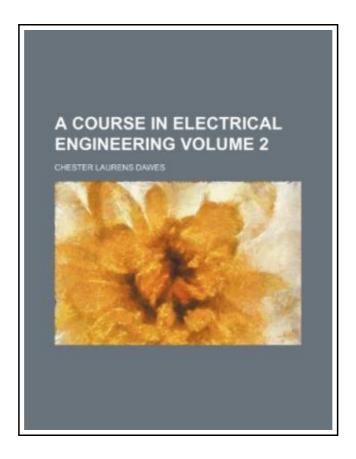
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### Reviews

Absolutely essential study publication. Sure, it is enjoy, nonetheless an amazing and interesting literature. I realized this book from my dad and i suggested this pdf to find out. (Justus Abbott)

#### A COURSE IN ELECTRICAL ENGINEERING VOLUME 2



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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--10 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 phases. The torque scale may be found as follows: The torque is equal to a constant times the power, divided by the speed, the value of the constant depending on the units adopted. The power output per phase is P V X DE. The rotor speed N2 N (1--s) where N is the synchronous speed in r. p. m. CD N(CE-CD) N ) 2 CE CE CE The torque developed per phase K is CE V X C zs the total power per phase delivered to the rotor. The total power delivered to the rotor by n phases, P2 n...

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