



## Electricity and Magnetism for Engineers; Electric and Magnetic Circuits (Paperback)

By Harold Pender

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. 1918 edition.

Excerpt: .the flux density  $B$  as ordinates and the distance  $x$  as abscissas, (c) What is the relation between the area of this curve and this total flux? Answer.--(a)  $3.18 \times 106$  lines, (c) The flux per pole is equal to this area multiplied by the length of the armature, which in this case is 8 inches. 88. Magnetomotive Force and Magnetic Reluctance.--The magnetic fields in most electric machinery and apparatus are due directly to electric currents.2 The relation between the magnetic  $I$  Such a sinusoidal distribution of flux is seldom actually realized in practice, but is often closely approximated, particularly in alternatingcurrent machines. s The magnetic fields of so-called permanent magnets will be considered in detail later; Article 104. flux produced by an electric current and the intensity of this current is, therefore, one of fundamental importance. The relation in question is of the same...

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