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## Dynamo Laboratory Manual for Colleges and Technical Schools; Direct Current Studies and Tests Volume 1

By William Suddards Franklin

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Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1906 edition. Excerpt: .The method of determining the magnetic leakage coefficient of a dynamo having a single magnetic circuit is as follows: The armature of the machine is fixed so that it cannot turn and a temporary coil, A, Fig. 17, of insulated wire is wound lengthwise over the armature so as to enclose all of the flux that passes through the armature. Another coil, B, having the same number of turns as coil A, is wrapped around the field coil of the dynamo as near to the yoke as possible. A low reading voltmeter is arranged so as to be connected to coil A or coil B at will, by means of a double-pole double-throw switch. The field winding of the dynamo is connected through a suitable rheostat and switch to supply mains. The throw of the voltmeter is observed upon breaking the field circuit of...



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