# Dielectric Phenomena In High Voltage Engineering (Hardback)



Filesize: 3.73 MB

#### **Reviews**

It is straightforward in read through better to recognize. I could possibly comprehended every little thing using this published e pdf. Its been written in an extremely basic way and is particularly merely following i finished reading through this ebook through which really transformed me, alter the way i believe.

(Delia Kling)

## DIELECTRIC PHENOMENA IN HIGH VOLTAGE ENGINEERING (HARDBACK)



Read Books, United Kingdom, 2008. Hardback. Book Condition: New. 216 x 145 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Originally published in 1915. PREFACE: It is the object of the author to give in this book the properties of gaseous, liquid and solid insulations, and methods of utilizing these properties to the best advantage in the problems of highvoltage engineering. Such problems require a knowledge, not only of the laws and mechanism of breakdown of dielectrics as determined by experiment, but also a simple working knowledge of the dielectric circuit. Methods that have proved useful in designing apparatus, transmission lines, insulators, bushings, etc., are discussed and illustrated by practical application. In addition, such subjects as the manner of making extensive engineering investigations and of reducing data, the measurement of high voltages, the effects of impulse and high-frequency voltages, methods of draw-ing dielectric fields, outline of modern theory, various dielectric phenomena, etc., are considered. In all cases where laws and discussions of dielectric phenomena are given, it has been thought best to accompany these with experimental data. Much original work is given, as well as reference to other in-vestigations. The authors extensive research was made possible by facilities afforded by the Consulting Engineering Department of the General Electric Company, for which acknowledgment is made. Thanks are due Mr. H. K. Humphrey, and others, who have greatly assisted in the experiments and calculations. SCHENECTADY, N. Y., April, 1915. Contents include: PAGE PREFACE v DIELECTRIC UNITS xi TABLE OF SYMBOLS, xiii CHAPTER I INTRODUCTION. . v . v General discussion of energy transfer Experimental plots of dielectric and magnetic fields Analogy between magnetic and dielectric fields Analogy with Hooke s Law. CHAPTER II THE DIELECTRIC FIELD AND DIELECTRIC CIRCUIT 8 Mathematical Consideration General treatment of the dielectric...



Read Dielectric Phenomena In High Voltage Engineering (Hardback) Online Download PDF Dielectric Phenomena In High Voltage Engineering (Hardback)

#### See Also



### Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Craig Saves the Day (Hardback)

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 173 x 145 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It...

Download Book »



#### Readers Clubhouse Set a a Truck Can Help (Paperback)

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. 229 x 145 mm. Language: English . Brand New Book. This is volume eight, Reading Level 1, in a comprehensive program (Reading Levels 1...

Download Book »



### Words and Rhymes for Kids: A Fun Teaching Tool for High Frequency Words and Word Families (Paperback)

AUTHORHOUSE, United States, 2009. Paperback. Book Condition: New. 279 x 211 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This book is designed to make learning fun for children in kindergarten through...

Download Book »



### Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 6: Ice City (Hardback)

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 170 x 145 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It...

Download Book »



#### Rhythm Science (Mixed media product)

MIT Press Ltd, United States, 2004. Mixed media product. Book Condition: New. New.. 193 x 145 mm. Language: English . Brand New Book. Once you get into the flow of things, you re always haunted...

Download Book »