



General Lectures on Electrical Engineering Volume 1 (Paperback)

By Charles Proteus Steinmetz

Theclassics.Us, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1918 edition. Excerpt: . unlimited power without dangerous pressure rise. However, the causes of excessive pressures, and the forms which such pressures may assume, are so much more varied in electric circuits than with steam pressures, that the design of perfectly satisfactory lightning arresters has been a far more difficult problem than the design of the steam safety valve. Such excessive pressures may enter the electric circuit from the outside by atmospheric disturbances as lightning, or may originate in the circuit. Excessive pressures in electric circuits may be single peaks of pressure, or strokes or discharges, or multiple strokes; that is, several strokes following each other in rapid succession, with intervals from a small fraction of a second to a few seconds, or such excessive pressures may be practically continuous, the strokes following each other in rapid succession, thousands per second, sometimes for hours. Atmospheric disturbances, as...



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