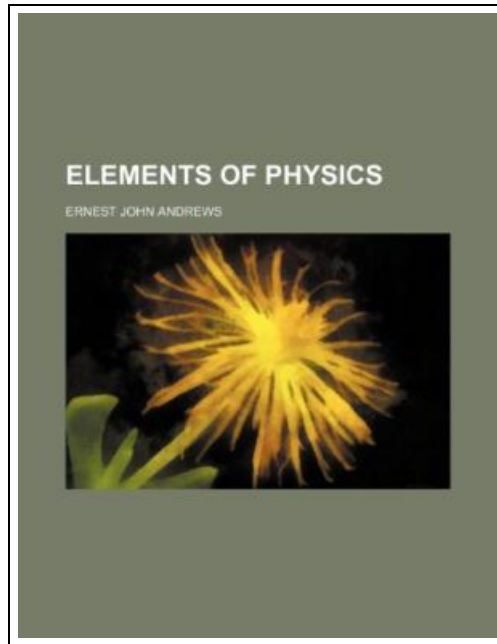


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Reviews

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(Giuseppe Mills)*

ELEMENTS OF PHYSICS



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. 1906 Excerpt: .of 2 ohms, will give what flow through 2 mi. of No. 18 iron wire? 6. What will be the best arrangement of 10 of the cells given in problem 5, if the external circuit has a resistance of 5 ohms? 7. What will be the best arrangement of the cells if the external circuit consists of 1000 ft. of No. 20 copper wire? 8. If wire 32 mils in diameter and 2000 ft. long has a resistance of 36.5 ohms, what is its resistance constant? 9. Given 16 cells, each having a voltage of 1.8 and an internal resistance of 1.4 ohms; find the arrangement which will give the maximum flow through an external resistance of 4 ohms. Show the arrangement by a diagram. 10. What must be the size of iron wire to have the same resistance as an equal length of No. 20 copper wire? 11. 2000 ft. of copper wire has a resistance of 1.18 ohms. Find its diameter. 12. A coil of aluminum wire 20 mils in diameter has a resistance of 50 ohms. Find its length. 13. If 1000 ft. of wire, having a diameter of 30 mils, has a resistance of 35 ohms, what is its constant? 14. Find the best arrangement of 12 cells, each having a voltage of 2 and an internal resistance of 6, if the resistance of the external circuit is 5. SECTION 5. EFFECTS OF ELECTRIC CURRENT 357. Heat Effects of a Current.--When a large...



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