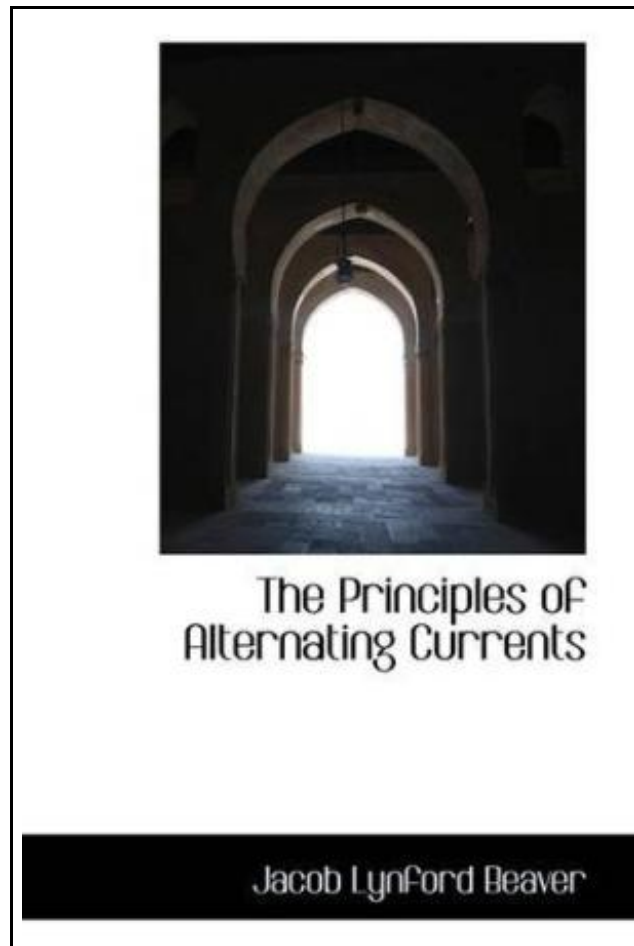


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BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 200 pages. Dimensions: 8.0in. x 5.0in. x 0.4in. This book has been developed from the lecture notes of the author, as given in the second years work in Alternating Currents, in the night school at Drexel Institute. For this reason the text has been so arranged that the calculus proofs may be omitted. After six years of teaching experience with day and evening students, the author is of the firm belief that alternating currents should as far as possible be taught graphically; and therefore vector diagrams are extensively used and always drawn so that current is used as the reference axis in series circuits, and voltage as the reference axis in parallel circuits. Instead of a large number of manufacturers cuts, many of which become antiquated if a book is not revised every two or three years, the author uses about one hundred lantern slides, which are constantly added to at slight expense. The author has found from experience that the average students knowledge of vectors is insufficient for a graphical method of treating alternating currents, and has therefore added Chapter I. Over two hundred problems are given, nearly all of which have answers. Many principles which the student should be able to work out are given in the form of problems. The majority of the problems are short and suitable for recitation work. Through the kindness of the Westinghouse Electric and Manufacturing Company and the General Electric Company the author is enabled to use as texts the Westinghouse bulletin on Transmission Lines, and the General Electric bulletin on Transformer Testing, and for this reason these two subjects have been omitted. In the authors opinion there should be two classes of scientific books. The first class should be...



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