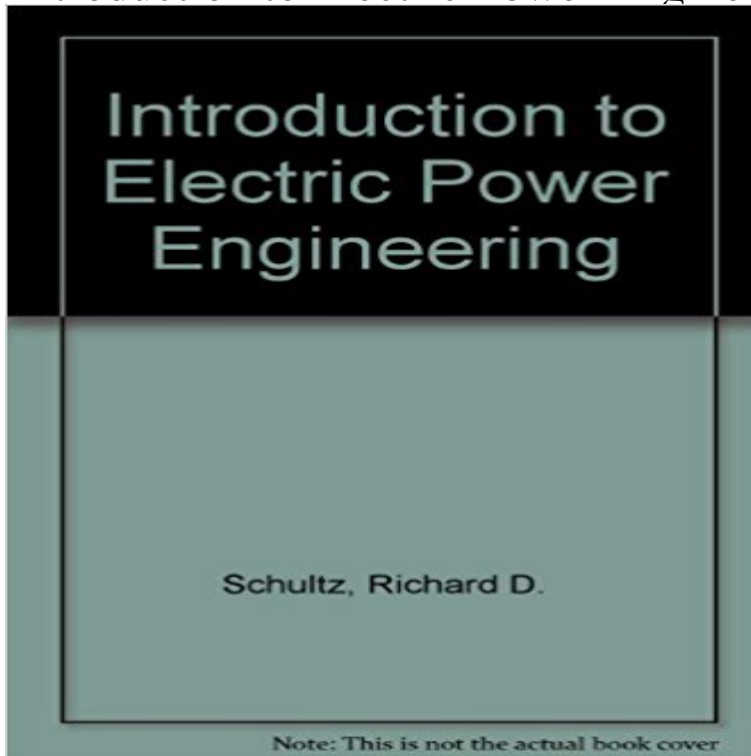


Introduction to Electric Power Engineering



The objective of this text is to introduce to engineering students at an early level the principles and concepts which are the basis of the electric power industry. The material starts with the synchronous generator and continues with the step-up transformer, the transmission system and the loads. Although this presentation is the method the authors prefer, each topic is treated individually and may be taught in any order. By presenting electric machinery as a part of the total power system, the authors have tried to avoid the traditional separation of electric machinery and power system analysis courses. The material in this text is designed to be taught on an undergraduate-level, one-term course. It is assumed that the students have had one course covering basic circuit concepts.

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