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OPTIMIZATION OF THERMAL POWER PLANTS

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The book introduces the theory and methods of operation optimization for different kinds of thermal power plants. Two types of optimization problems are considered: the optimization of load distribution in the thermal power plant and optimization of unit commitment in the power plant. Also an overview of the different types of thermal power plants, examples of input-output characteristics of power units and some principles of optimization under probabilistic and uncertain information are given. The book is intended as textbook for bachelor, master and doctoral students, but it can be of interest for researchers and engineers

