

Abstract

At present, the developed methods for optimizing the operation modes of steam turbine plants do not always take into account the state of steam turbine plants associated with aging and moral deterioration of the main components of the turbine unit, and the normative and energy characteristics of turbines do not always coincide with the actual characteristics. Planning of production volumes is carried out according to the mock-ups of calculating regulatory characteristics, which do not always coincide with reality. And the determination of the exact predicted load and the expected TEC is not possible.

To reduce fuel costs by increasing the efficiency of managing operating steam turbine plants, taking into account the actual condition of the equipment, this dissertation is concluded.