

Annotation

Logical and systematic methods for predicting the parameters that determine the resource for safe operation of power equipment are described.

The identification of critical parameters of the steam turbine PT-60-90/13 was carried out on the basis of the tree method - events, and the residual life of the turbine high-pressure cylinder housing was estimated.

The following calculations have been made: the thermal scheme of AIES TPP-2, the critical size of the crack on the HPC housing, the cost of supply of heat and electricity, the noise level in the turbine hall.