

PARAMETER MEASUREMENT QUALITY CONTROL IN AUTOMATED TESTING OF SERIES GAS TURBINE ENGINES

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The paper deals with methods of controlling the quality of parameters measured and rejecting anomalous measurements in automated testing of series gas turbine engines. The methods are based on the use of statistical data on the magnitude of natural spread in the parameters of series engines and on the regularity of interrelations of deviations of various parameters within the spread.

Spread in parameters, correlation, parameter evaluation, gross error of measurement.