

THEORETICAL DEFINITION OF TEMPERATURE FIELDS AT THERMOPLASTIC HARDENING OF DETAILS OF GAS TURBINE ENGINES

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In work the technique of theoretical definition of temperature fields at thermoplastic hardening is presented. As an example results of calculations for unilateral cooling of a large-sized detail of type of a disk of the turbine of gas turbine engines are shown. Comparison of settlement and experimental temperature fields is resulted.

Hardening thermoplastic, temperature fields, deformations, pressure residual

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