

DESIGNING A TECHNOLOGY OF FINAL ELECTROCHEMICAL MACHINING OF GAS TURBINE BLADES WITH REGARD FOR TECHNOLOGICAL HEREDITY

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The paper deals with the issues of designing a technology for final electrochemical machining (ECM) of gas turbine engine (GTE) blades with regard for technological heredity factors. Classification of technological heredity factors and their influence on the ECM accuracy and surface quality after machining are presented. Principles of modifying the ECM realization pattern are described, the content of the main tasks solved when designing a final ECM technology and algorithms of their solving are given.