

# EXPERIMENTAL INVESTIGATIONS OF THERMAL FIELDS IN INDUCTOR SYSTEM UNDER MAGNETIC PULSE FORMING

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The paper describes the basic classes of inductor systems used in magnetic pulse forming. Factors having effect on the service properties of the construction are noted. The basic modes of inductor system operation are discussed: at high-frequency and low-frequency installations and in the multicycle loading mode. Analytical expressions are given that make it possible to determine the average temperature of a current-conducting inductor.

*Technological processes, magnetic fields, inductors, thermal fields, resource, temperature stresses*

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