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To date, the necessary and actual is to solve issues related to the definition of actual condition, optimal load, determine the optimal dates of repair, development technical conditions, aimed at energy savings, increase operational reliability and extension service life of the working equipment. An algorithm of parametric identification actual characteristics of the gas compressor unit is proposed to solve these problems.

Current algorithm of parametric identification actual characteristics of the gas compressor unit will enable for further effective operation of the equipment, will optimize technology processes and will improve the reliability of gas transportation

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It is often challenging to fulfill all the requirements of scientific experiments while research. Thus, a new method has been worked out to design a stimulator of an object under study. It allows to avoid limits which may be caused by the traditional methods of experiment planning.

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S. V. OVCHAROV. THE RESEARCH OF THERMAL TRANSIENT PHENOMENA UNDER ELECTROMOTOR STARTING AND EQUAL POWER.....59

Have been researched the thermal transient phenomena under electromotor starting and equal power condition.

Keywords: mechanical description, starting transient, moment of inertia, electromechanics permanent time, starting time, speed of thermal wear of isolation, expense of resource.

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