

THEORETICAL CALCULATION APPROACH OF GAS TURBINE ENGINES COMPRESSOR CHARACTERISTIC LINE

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Samara State Aerospace University

Today most of gas turbine engines have a guide vane system in the compressor. Developing estimation approaches of its influence on compressor characteristic line is very important because it defines operation stability of compressor and whole gas turbine engine. So theoretical calculation approach of gas turbine engines compressor characteristic line help to save time and efforts performing experiments.

Gas turbine engine, guide vane system, compressor characteristic line, parametrisation

Zhdanov Ivan Alekseevich, postgraduate of Samara State Aerospace University. Phone: (846) 271-25-16. E-mail: ivan.zhdanov@hotmail.com. Area of research: design of variable guide vane system for aircraft engines.

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