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P. 46-49.

Experimental check of a definition technique of optimum crankshaft rotation frequency of a diesel engine at operation under characteristics of constant power is executed.

The choice of updating directions of dependence of optimum crankshaft rotation frequency with engine power is introduced.

Optimization performance singularities of a diesel engine for problem-solving of reduction of fuel rate and harmful emissions are shown. Engine power level dependence of relative optimum rotation frequency and potential reduction of the fuel effective rate is found. The analysis of exhaust toxicity reduction at operation under optimization performance is given. Il. 4. Bibliogr. 4 names.