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Marchenko A.P. Simulation of a warming-up of a fuel film on a wall of the combustion chamber of a diesel, which has a partially-dynamic heat insulation of its piston

/ A.P. Marchenko, V.V. Pylyov // Internal combustion engines.

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In a paper a mathematical model of a warming-up and

vaporisation of a fuel film on a wall of a combustion chamber

of a piston of an internal combustion engine is offered.

This model considers heat exchange. It is investigated effect

of presence of a partially-dynamic heat insulation of the wall

on its temperature and temperature of the fuel film on it.

Table. 1. Il. 4. Bibliogr. 10 names.