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Marchenko A.P. Peculiarities of mathematical modeling of a temperature wave in the piston of internal combustion engine/ A.P. Marchenko, V.O. Pylyov, V.V. Shpakovsky,

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P. 48-53.

A form for recording the boundary conditions of the

third kind taking into account a specific volumetric heat capacity

of a wall material is proposed for simulation of high frequency

temperature variations in the surface low heatconducting

layer of a cylinder piston in internal combustion

engines. The guidelines on how to use this recording form have

been provided. The combined use of these mathematical models

has been offered to provide authentic results at minimum

expenditure of computing time. Il. 3. Bibliogr. 12 names.