UDC 621.43

Prochorenko A.A., Vasilchenko I.D., Meshkov D.V.

The comparative analysis of solution methods of the telegrapher’s equation at modelling process of the fuel injection by storage system CR // Internal combustion engines. –

2008. – №1. – P. 21-29.

The comparative analysis of solution methods of the telegrapher's

equation is executed. Analyzed Methods are the method

of characteristics and the method of the d'Alembert can be used

at modelling process of the fuel injection of by storage system

Common Rail; design dependences and circuit designs of the

equation’s solution are instanced. Agency on results of calculation

of such parameters as, pressure of fuel in system, length,

an inner diameter of the pipe duct, and viscosity of fuel surveyed.

Tаblе. 6. Il. 6. Bibliogr. 6 names.