Solution method for optimization problem for regulation

parameters which determine combustion process of gas

engine is proposed. Quality criteria for most complete description

of engine parameters on a certain modes are proposed.

Algorithm for choosing Pareto points for threedimensional

space has been specified. Field of optimal values

of combustion process parameters and characteristic maps for

light-duty gas engine 4CH7,5/7,35 with high-energy ignition

system has been obtained. Table. 1. Il. 7. Bibliogr. 9 names.