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Eroshchenkov S.A. Determination coefficient of remaining gases in a two-stroke engine with the spark ignition /

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The experimentally-analytical method of researches defines values of residual gases coefficient ( $\gamma$ ) in a twostroke engine with spark ignition at use the carburetor power supply system and direct injection fuel. Researches were spent by simultaneous sampling of gases from the cylinder and final system the engine on a compression step, and by means of three-dimensional modeling of a current of gases in the cylinder, inlet and final systems. The adequate mathematical model allows defining  $\gamma$  in a two-stroke engine at external and internal mixing in a wide range of high-speed and loading operating modes. Il. 6. Bibliogr. 6 names.