

DIAGNOSTICS OF QUALITY MIXING IN SPRAY OF THE FUEL NOZZLES BY OPTICAL METHODS

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Use of the offered method of diagnostics of parameters air-fuel spray allows finding spatial and time heterogeneity of concentration of drops and their sizes in real front devices. Carried out research atomization fuel from a plate has shown an opportunity of application of this device in engines for improvement of a spray in comparison with atomization of free jet in a cross flow stream.