

FUEL DISTRIBUTION COMPARISON ANALYSIS IN THREE-STAGE SWIRLING SPRAYER MODULES

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Central Institute of aircraft engine construction, Moscow

This work devoted to investigation of frontal device with 3-stage swirler for low-emission combustion chamber. Fuel distributions for three design models of three-stage swirling sprayer moduls were compared. The computational results show the separation degree of fuel droplets on the module walls. The fuel concenration fields were also calculated.