

EXPERIMENTAL ANALYSIS OF THE INITIAL SPARK IGNITION SITE FOR THE TURBULENT FLOW OF ALUMINIUM-AIR MIXTURE

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The paper presents an experimental analysis of the initial ignition site in the recirculation area with a turbulent flow of aluminium-air mixture ignited by an electric spark. It has been found out that the nature of initial ignition site development in a turbulent flow of aluminium-air mixture corresponds to the nature of initial site development for a homogeneous combustible mixture.