

ELECTRIC AND EMISSION PROPERTIES OF MULTI-SPARK AERODYNAMICAL ACTUATOR

Actuators are specially constructed device mounted on an airfoil with the aim to enhance aerodynamic properties. This work is devoted to properties investigation of spark plasma actuators, where discharge occurs between 40 aligned steel or copper electrodes on insulating surface. The actuator supplies by high voltage generator in pulse mode with frequency till to 1000 Hz.

Primary authors: LEBED, Anton (KNU); Dr BORETSKIJ, V (KNU)

Presenter: LEBED, Anton (KNU)

Track Classification: Plasma Physics