

## Homogeneous action of plasma of a nanosecond pulsed high-voltage discharge on the surface of a flat anode

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*The results of an experimental study of the effect on the surface of a flat-grounded electrode of a plasma of a pulsed high-voltage nanosecond discharge in air at atmospheric pressure, excited in a sharply inhomogeneous electric field, are presented. It is shown that at relatively large interelectrode distances between the pointed cathode and the flat anode, a diffuse discharge is realized, which ensures a homogeneous action of the discharge plasma on the anode surface.*

*Keywords:* diffuse discharge, spark discharge, spatial structure of the discharge, electrode erosion.

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