

## **ARISING OF RAYLEIGH-TAYLOR INSTABILITY AT THE SURFACE OF DISCHARGE CHANNEL IN WATER AND ITS SATURATION MECHANISMS**

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There were observed perturbations at the channel surface of the pulse discharges in water. The approximate hydrodynamic model of the surface perturbations was developed. It was demonstrated that the perturbations arise due to Rayleigh-Taylor type instability. Mechanisms of instability saturation were considered.