

FORMATION OF A DENSITY  
JUMP IN THE INHOMOGENEOUS  
ISOTHERMAL PLASMA INTERACTING  
WITH MODULATED ELECTRON BEAM

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S u m m a r y

The results of analytical estimation and numerical simulation of the interaction of the inhomogeneous isothermal plasma with a modulated electron beam are presented. The formation of a fuzzy jump of the plasma density in the late phase of the interaction in a region, where the local plasma resonance point initially existed, is demonstrated. The jump is moving to the dense plasma, when the current density amplitude of the beam is large.