

## NEW REGION OF NONLINEARITY IN THE IV CURVE OF SFS $\varphi_0$ $JJ$ UNDER RADIATION

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We investigate the IV characteristics and magnetization dynamics of the  $\varphi_0$  Josephson junction under an external electromagnetic radiation. A new region of nonlinearity related to the beating near the ferromagnetic resonance is found.

Исследованы вольт-амперная характеристика и динамика намагничивания  $\varphi_0$  джозефсоновского перехода под действием внешнего электромагнитного излучения. Обнаружена новая область нелинейности, связанная с биением вблизи ферромагнитного резонанса.

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