

## Investigation of magnetization dynamics in $\varphi_0$ Josephson Junctions under the influence of an external EM field

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In this paper we investigated the behavior of magnetic momentum of ferromagnetic in Josephson Junction. With application of external electromagnetic radiation we can observe Chimera Step in current voltage characteristic, and stable behaviour of magnetization on it. But beyond this step we can also observe stable behaviour of magnetization with switching along axis normal to easy axis and direction of current. The results obtained can find application in various fields of superconducting spintronics and quantum computing.

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