

Self-force on a static charge in the long throat of a wormhole

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Abstract

We consider the self-force on a static charge in the long throat of a wormhole. The example of the self-force calculation in the specific profile of the wormhole throat are given. We demonstrate that the self-force is repulsive in the considered case. © 2013 Springer Science+Business Media New York.

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Keywords

Long throat, Self-force, Wormhole