

CHAOTIC BEHAVIOR OF A COSMIC STRING  
IN THE GRAVITATIONAL FIELD  
OF A LORENTZIAN “WORMHOLE”

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S u m m a r y

The dynamics of a closed cosmic string in the space-time of a “wormhole” has been considered. Numerical solutions of the equations of motion of a string have been obtained, and the analysis of those solutions has been carried out for various initial data. It is shown that the scattering of the string by a “wormhole” has a chaotic character.