Self-force of a scalar charge in the space-time of extreme charged anti-dilatonic wormhole

Popov A., Aslan O.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2018 World Scientific Publishing Company The self-interaction for a static scalar charge in the space-time of extreme charged anti-dilatonic wormhole is calculated. We assume that the scalar charge is the source of massless scalar field with minimal coupling of the scalar field to the curvature of spacetime.

Keywords

Self-force, wormhole