

عنوان مقاله:

Ideal invisible cloak Two-dimensional rugby ball

محل انتشار:

اولین کنفرانس بین المللی مکانیک، برق و علوم مهندسی (سال: 1400)

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خلاصه مقاله:

The piece of work is an interesting research topic about cloaking and metamaterials engineering. Designing new optical devices with desired functionalities is rapidly developing by the possibility of controlling the flow of light and manipulating electromagnetic waves based on different methods [1], [2]. In this paper, we have reviewed the concept of Transformation Optics method which includes coordinate transformation. Later, in the leg up of this method, we investigated the simulations for invisibility cloak based on Transformation Optics (TO) root for a two-dimensional rugby ball. we attempted to find a novel formula and simulation in COMSOL™ Multiphysics software for this object and also .their respective applications in utilizing metamaterials for an antenna

کلمات کلیدی:

.invisibility cloak, coordinate transformation, metamaterial

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