عنوان مقاله:

Experimental and Mathematical Modeling of a Single DOF wave energy converter

محل انتشار:

یازدهمین همایش ملی صنایع دریایی ایران (سال: 1388)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

In this paper the performance of a novel wave energy converter (WEC) is studied. The system is called SUTH and extracts the wave energy from heaveng motion of a cylinder shaped buoy. It is constructed with such an inniovative approach that can also operate in two degrees of freedom (heave-pitch). The experimental setup as well as mathematical model is developed in Marine Engineering Research Center (MERC), Sharif University of Technology. Som experimental results are presented and the experimints show different parameters wich are effective on the .system efficiency. Main parameters are wave height, wave lengh and buoy shape

کلمات کلیدی:

.Wave Energy Converter, Experimental Study