

## عنوان مقاله:

RELATIVE INFORMATION FUNCTIONAL OF RELATIVE DYNAMICAL SYSTEMS

## محل انتشار:

دوفصلنامه مرکز پژوهشی ریاضی ماهانی، دوره 2، شماره 2 (سال: 1392)

تعداد صفحات اصل مقاله: 12

## نویسندگان:

UOSEF MOHAMMADI - DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCE UNIVERSITY OF JIROFT ,  
JIROFT, IRAN, ۷۸۶۷۱-۶۱۱۶۷

HAMID REZA AFSHIN - DEPARTMENT OF MATHEMATICS, VALI-E-ASR UNIVERSITY OF RAFSANJAN, P. O. BOX  
۵۱۸, RAFSANJAN, IRAN

## خلاصه مقاله:

In this paper by use of mathematical modeling of an observer [14,15] the notion of relative information functional for relative dynamical system on compact metric spaces is presented. We extract the information function of an ergodic dynamical system  $(X, T)$  from the relative information of  $T$  from the view point of observer  $\chi_X$ , where  $X$  denotes the base space of the system. We also generalize the invariance of the information function of a dynamical system, under topological isomorphism, to the relative information functional.

## کلمات کلیدی:

Information function, relative dynamical system, relative generator, relative measure, relative information functional

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/857239>

