

## عنوان مقاله:

Identification of Modal Series Model of Nonlinear Systems Based on Subspace Algorithms

## محل انتشار:

سیزدهمین کنفرانس مهندسی برق ایران (سال: 1384)

تعداد صفحات اصل مقاله: 6

## نویسندگان:

Aliakbar Mohammadi - *Ferdowsi University of Mashad Islamic Azad University of Kazeron*

Naser Pariz - *Ferdowsi University of Mashad*

Hasan Shanechi - *Ferdowsi University of Mashad*

## خلاصه مقاله:

Modal Series analysis of nonlinear system could have found several new applications. The ability of this approach in using of linear system analysis rules for nonlinear systems attracts researchers to this method. In this paper we will express an algorithm for nonlinear system identification based on modal series. A new form of modal series which is suitable for identification purposes has been presented and then an algorithm which uses this representation of modal series and a subspace identification method has been presented for identification of a modal series model of nonlinear systems. Simulation results express the efficient ability of this approach in identification of nonlinear systems.

## کلمات کلیدی:

Nonlinear Systems, Modal Series, Subspace Identification

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/42127>

