

## عنوان مقاله:

Analysis and Control of SEIR Epidemic Model via Sliding Mode Control

## محل انتشار:

کنفرانس بین المللی پژوهش در علوم و تکنولوژی (سال: 1394)

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## نویسندگان:

r Khalili Amirabadi - *Department of Applied Mathematics, Faculty of Science, Payamenoor University, Mashhad, Iran*

a Heydari - *Department of Applied Mathematics, Faculty of Science, Payamenoor University, Mashhad, Iran*

m.r Zarrabi - *Department of Applied Mathematics, School of Mathematics and Computer Science, Damghan University, Damghan, Iran*

## خلاصه مقاله:

In this paper, we have decided to analyze SEIR epidemic model by piecewise control function dependent on threshold policy for diseases management strategy. In this study,  $E_c$  is determined as a critical value and based on this threshold have been defined and then the timing has been specified for triggering intervention measures, when the number of exposed individual exceeds a threshold level. The solution of this model finally approaches regular/sliding equilibrium point, and this result shows that outbreak is not possible

## کلمات کلیدی:

Sliding mode control, Threshold policy, SEIR epidemic model, outbreak

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/446952>

