

عنوان مقاله:

Control of a fractional-order Newton–Leipnik system using sliding mode controllers

محل انتشار:

دومین همایش ملی پژوهش های کاربردی در مهندسی برق و کامپیوتر (سال: 1395)

تعداد صفحات اصل مقاله: 16

نویسندگان:

Ali Reza Dehghaninejad - *Department of electrical engineering, Imam Khomeini International university, Qazvin, Iran*

Javad Mostafa - *Department of electrical engineering, Islamic azad university, Saveh, Iran*

Mohammad Vahedi - *Department of electrical engineering, Islamic azad university, Saveh, Iran*

خلاصه مقاله:

This paper defines Several surface sliding mode to control and synchronize a fractional-order Newton–Leipnik system . the main objective is to investigate Single- surface and Three- surface slidingmode to control of a fractional-order Newton–Leipnik. It has been shown that this problem could lead to control of system with Minimum Control Parameters as overshoot and rise time. Simulations results are presented to illustrate the proposed controllers; they indicate that the designed controllers are able to control the chaotic systems. Also, simulation results show that the .proposed controlschemes are robust to step disturbances and Uncertainty

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/627026>

