

## عنوان مقاله:

Optimal Control Problems of Time-Delayed Systems using Haar Wavelets

## محل انتشار:

کنفرانس بین المللی مدل سازی غیر خطی و بهینه سازی (سال: 1391)

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## نویسندگان:

Masomeh Mansoori

Alireza Nazemi - Department of Mathematics, School of Mathematical Sciences, Shahrood University of Technology

## خلاصه مقاله:

We consider an approximation scheme using Haar wavelets for solving time-delayed optimal control problems. The problem is first transformed, using a Páde approximation, to one without a time-delayed argument. A computational method based on Haar wavelets in time-domain is then proposed for solving the obtained non-delay optimal control problem. Haar wavelets integral operational matrix and direct collocation method are utilized to find the approximated optimal trajectory and the optimal control law of the original problem. Numerical results are also given for a test example to demonstrate the applicability and the efficiency of the method

## کلمات کلیدی:

Time-delayed optimal control problems, Approximation, Rationalized Haar functions, Nonlinear programming

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/187808>

