

MSC: 49N70, 49N75, 91A23

DOI: 10.21538/0134-4889-2016-22-2-211-217

**A STUDY OF THE GENERALIZED PONTRYAGIN TEST EXAMPLE  
FROM THE THEORY OF DIFFERENTIAL GAMES**

Received February 4, 2016

**M. S. Nikol'skii**

A generalization of L.S. Pontryagin's test example from the theory of differential games is considered. The study is based on Pontryagin's first direct method, which was developed for the constructive solution of the performance problem in linear pursuit–evasion differential games.

Keywords: differential games, Pontryagin's test example, Pontryagin's first direct method.

*M.S. Nikol'skii*, Dr. Phys.-Math. Sci., Steklov Mathematical Institute of Russian Academy of Sciences, Moscow, 119991 Russian, e-mail: mni@mi.ras.ru .

Cite this article as:

M. S. Nikol'skii. A study of the generalized Pontryagin test example from the theory of differential games, *Trudy Inst. Mat. Mekh. UrO RAN*, 2016, vol. 22, no. 2, pp. 211–217.