

# On the Problem of Optimal Stimulation of Demand

A. S. Aseev<sup>1,\*</sup> and S. P. Samsonov<sup>1,\*\*</sup>

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**Abstract**—We study the problem of optimal stimulation of demand based on a controlled version of Kaldor’s business cycle model. Using the approximation method, we prove a version of Pontryagin’s maximum principle in normal form containing an additional pointwise condition on the adjoint variable. The results obtained develop and strengthen the previous results in this direction.

**Keywords:** optimal control, Kaldor’s business cycle model, Pontryagin’s maximum principle.

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<sup>1</sup>Faculty of Computational Mathematics and Cybernetics, Moscow State University, Moscow, 119991 Russia  
e-mail: \*anton.ser.as@gmail.com, \*\*samsonov@cs.msu.su