INFLUENCE OF TIME DELAYS ON A TWO-STAGE MUTATIONS MODEL

Urszula Forys

Institute of Applied Mathematics and Mechanics,
Faculty of Mathematics, Informatics and Mechanics, University of Warsaw
Banacha 2, 02-097 Warsaw
urszula@mimuw.edu.pl

ABSTRACT
In the paper we make an attempt to study the influence of time delays on the dynamics of two-stage carcinogenic mutations model. Analytical results are illustrated by some numerical examples of the model dynamics.

ACKNOWLEDGEMENTS
The author was supported by the Polish Ministry of Science and Higher Education, within the Iuventus Plus Grant: "Mathematical modelling of neoplastic processes" grant No. IP2011 041971.

REFERENCES