

# Non-Autonomous Difference Equations: Global Attractor in a Business-Cycle Model with Endogenous Population Growth.

*D. Cheban, C. Mamma, E. Michetti*

## Abstract

The article is devoted to the study of global attractors of quasi-linear non-autonomous difference equations. The results obtained are applied to the study of a two-dimensional triangular growth model of Solow type with Variable Elasticity of Substitution production function and endogenous population growth rate described by the Beverton-Holt equation.

*David Cheban*, State University of Moldova.

E-mail: [cheban@usm.md](mailto:cheban@usm.md).

*Cristiana Mamma*, Università degli Studi di Macerata.

E-mail: [mamma@unimc.it](mailto:mamma@unimc.it).

*Elisabetta Michetti*, Università degli Studi di Macerata.

E-mail: [michetti@unimc.it](mailto:michetti@unimc.it).