

Dynamic equilibrium for open economics (main-line approach)

Olena Lyashenko, Kyiv University, Economic Cybernetics Department.

ABSTRACT

Investigation of expanding open market economics is carried out by modification of abstract model by J. von Neuman. It is shown, that the rate of balanced production growth (rate of landslide of prices in market economics accordingly) is expressed in terms of Frobenius numbers of productive irresolvable matrix. Output and prices are expressed in terms of right and left eigenvectors.

Keywords: *dynamic equilibrium, eigenvector, production growth*

Mathematics Subject Classification: *60A20*

Contact Address: lei@mmed.cyb.univ.kiev.ua