

519.863:330.44

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*Climate change attract attention of scientists and government. Bringing together economic development with ecologic limits is one of the main problems of the present. In the article the author proposes some approaches to building ecologically balanced strategy in the branch of economy.*

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$$(1) \begin{cases} x_1 = A_{11}x_1 + A_{12}x_2 + y_1, \\ x_2 = A_{21}x_1 + A_{22}x_2 - y_2. \end{cases} \quad (1)$$

$$(1) \begin{cases} x_1 = (x_1^1, x_2^1, \dots, x_N^1)^T \\ y_1 = (y_1^1, y_2^1, \dots, y_N^1)^T \\ A_{11} = (a_{ij}^{11})_{i,j=1}^N \\ A_{12} = (a_{ig}^{12})_{i=1, g=1}^{N, M} \\ A_{21} = (a_{kj}^{21})_{k,j=1}^{M, N} \\ A_{22} = (a_{kg}^{22})_{k,g=1}^{M, M} \end{cases} \quad (2)$$

$$X = \frac{p_A y^1 - q_A y^2}{1 - \lambda_A} \quad (3)$$

$$Y = p_A y_1 - q_A y_2 \geq 0 \quad (3)$$

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$$\begin{aligned} sx &= sA(x)x + sy, \\ sx &= sA(x)x + rx. \end{aligned}$$

(2)

$$\begin{aligned} q- & \quad q. \quad s & \quad s = \\ & (p, q), & y = (y_1 - y_2)^T, r = \\ & (r_1, r_2), x = (x_1, x_2)^T. & \\ & (4), & \\ & py_1 - qy_2 = r_1x_1 + r_2x_2 & \end{aligned}$$

$$py_1 = r_1x_1 + r_2x_2 + qy_2.$$

(5)

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**Onyshchenko Igor Michailovich**, assistant professor of mathematic modeling of economic systems department. National technical university of Ukraine “Kiev polytechnic institute”. **Ecologic-economic strategy in the network of the sustainable development concept.** Climate change attract attention of scientists and government. Bringing together economic development with ecologic limits is one of the main problems of the present. Author proposes some approaches to building ecologically balanced strategy in the branch of economy.

**Keywords:** sustainable development, ecologic-economic modeling, Leontiev-Ford model.

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