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## **A THEORETICAL ANALYSIS OF THE ECONOMY- ECOLOGY - ENVIRONMENT SYSTEM**

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### **Abstract**

This paper aims to analyze theoretically events in the *economy – ecology – environment* (natural resources) mega – system. This analysis includes methodologies making use of the first and second thermodynamic principles (for approaching the waste role in technological processes contour toward environment and the entropy variation importance in the main environmental segments), the application of systems theory and theories relating to emergy. The obtained results allow us to propose, based on the mentioned laws, new techniques and technologies for optimization and increasing efficiency of the *economic – ecologic – environment* systems.

*Key words:* emergy, entropy, environment, negentropy, resources and thermodynamic analysis

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