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THEORY OF COMPLEX SYSTEMS MODULIZATION

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Abstract

The paper undertakes to structure and define a theory applicable to the evolution of complex and hyper-complex systems, primarily aiming at elucidating the effective mechanisms to pilot them. Scientific and methodological aspects are called upon in order to support this approach: emergence theory, general theory of integration, concept of ecological modernization. The study highlights the “modulization process”, sustained by the concept of emergent integration and integronic restructuring, and it further defines the basic terms used and describes various issues on ecological emergence through systemic eco-modulization, grounded on the general theory of ecological emergence integration or ecoemergent integronics.

Key words: complex system, ecoemergence, ecology, emergence, integronics, hyper-complex system, modulization

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