

Review of: "Thermodynamics, Infodynamics and Emergence"

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This work is well structured, very relevant and undoubtedly interesting for students and teachers of natural sciences, whose convergence is based on extreme principles, the commonality of their models and structures. At the same time, the mutual enrichment of the natural sciences contributes to interdisciplinary connections, accompanied by the convergence of sciences. However, an increase in the spatial complexity of structures (models, algorithms, patterns) is accompanied by an increase in temporal uncertainty. The relationship of these uncertainties determines the individuality of the functioning of complex dynamic systems, which is most manifested in the cognitive space of dynamic events (see Mygal V. et al., 2016).)

The rapid digitalization of special subject areas is accompanied by an increase in complexity (statistical, dynamic, structural, algorithmic and informational) and is accompanied by their divergent development. Therefore, the recommendations of UNESCO and the UN on the transdisciplinarity of education in the 21st century are very relevant today. An overview of the problems of hybrid education and methods for solving them is considered in (Mygal V. et al., 2022).