Review of: "Actual problems of creative activity and new cognitive possibilities: a transdisciplinary approach"

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The article discusses a number of interconnected topics revolving around the digitization of education, science, and the implication of this transformation in creative activities and the understanding of complex dynamic systems, including the human body, in extreme situations . The following are some thoughts on the abstract:

Digitization of Education and Science : The importance of digitization in education and science is emphasized. This is a key issue in the modern era, where technology has revolutionized the dissemination of knowledge and the conduct of research.

Complexity of Dynamic Systems : The complexity of complex dynamic systems is mentioned, which can include the human body and the challenges that arise when these systems are exposed to extreme conditions, such as technical and environmental situations, epidemics and wars. This is an important area of research as it addresses real and pressing problems.

New Tools and Metamodels : The introduction of new tools based on new phenomena, analogies and principles is suggested, along with metamodels of thought structures and relationships between key sciences and metasciences. This indicates the importance of innovation in thinking and methodology in managing complexity.

Heuristic Significance of Creative Activity : The heuristic significance of creative activity is highlighted, emphasizing how it is associated with the emotional perception of the harmony of nature and the generation of useful ideas. This is an interesting consideration that connects creativity and emotion.

Role of Extreme Principles : The cognitive value of extreme principles in various disciplines, including natural science, information theory, psychology and design, is discussed. This suggests the importance of exploring conceptual and practical extremes to gain a deeper understanding of phenomena.

Use of Signs and Symbols : The use of signs and symbols to bridge the gap between humanistic and scientific cultures is mentioned. This is an intriguing idea that suggests the potential for communication.

The article presents a wide range of interesting and complex topics, and seems promising for further reflection in the future. However, there are some areas that could be further developed and explored in the full article. Here are some thoughts on what you might consider exploring further:

Context and Motivation : you could start with a section devoted to further expanding on the context and motivation behind the digitization of education and science, i.e., discussing the global challenges or socio-cultural changes that are driving this digitization.

Practical examples : It is useful to illustrate theoretical concepts with practical examples or case studies. They could include specific examples of how digitization has affected education, science or creative activities in various fields, demonstrating the benefits and challenges encountered.

Research Methodology : as it appears that the research proposes new tools and metamodels, it is important to clearly describe the research methodology used to develop and test these tools.

Practical Implications : what are the practical implications of your findings. How can the proposed new tools and metamodels be used? What benefits can they bring to science, education, or creative activities? What challenges may arise in practical implementation?

Comparison with Existing Literature : It is suggested that you include a thorough literature review to place your research in the context of existing studies. How does your research contribute to the current understanding of the topics covered? What are the gaps in the field?

Interdisciplinary Application : given that it appears that the article embraces an interdisciplinary approach, it is important to explore how different disciplines can collaborate and benefit from digitization and new tools. This could include ethical and social considerations related to interdisciplinarity.

Overall, the research article has solid potential to contribute to a deeper understanding of the interplay between digitization, creativity, science, and complexity.