

# Review of: "A Challenge in A(G)I: Cybernetics Revived in the Ouroboros Model as One Algorithm for All Thinking"

Ahmed M. Abed<sup>1</sup>

<sup>1</sup> Zagazig University

Potential competing interests: No potential competing interests to declare.

## Title: A Challenge in A(G)I: Cybernetics Revived in the Ouroboros Model as One Algorithm for All Thinking

Qeios ID: 0T48GO; <https://doi.org/10.32388/0T48GO>

The author claims that a general lack of encompassing symbol-embedding and (not only) grounding in some bodily basis is responsible for current deficiencies. A concomitant dearth of hierarchical organisation of concepts follows suit. As a remedy for these shortcomings, it is proposed to take a wide step back and to newly incorporate aspects of cybernetics and analogue control processes.

Comment (1)	<p>The author claims that a promising overarching perspective is provided by the Ouroboros Model, which has a valid and versatile algorithmic backbone for general cognition at all accessible levels of abstraction and capabilities.</p> <ol style="list-style-type: none"><li>1. Is the circumstances of experiment like real system?</li><li>2. Is there another algorithm compared with the proposed one?.</li></ol>
Comment (2)	<p>At the same time, present-day AI approaches do not seem to be flexible or creative enough to find two options or their full meaning if asked for an interpretation of the drawing in Figure 1. This goes hand in hand with the wide absence of versatile building blocks, organised in some sort of hierarchy of concepts and abstractions, and, claimed as a direct consequence, lack of “common sense” reasoning.</p> <ol style="list-style-type: none"><li>1. The question is all similar pictures have fixed variance or not?</li></ol>
Comment (3)	The originality of the paper needs to be stated clearly. It is of importance to have sufficient results to justify the novelty of a high-quality journal paper.
Comment (4)	What is new in the paper? Motivation?
Comment (5)	The authors should discuss potential applications of the results obtained.
Comment (6)	What is the robustness and the advantages of the suggested method over other existing methods in the same field?
Comment (7)	Did you take into account the roundness of the curvature of the faces in images and the effect of the vortex created due to any distortion in the inner surface of the body?
Comment (8)	Can you summarize the data in the conclusion section to be tabulated
Comment (9)	Lot of grammar errors have been found and should be removed.
Comment (10)	Justify why you took these specific values for parameters? Appeared on the whole figures
Comment (11)	Write a comparison analysis between the methods related to this research to see the research gap.
Comment (12)	Give the pseudocode for steps of using the proposed method to meet the objective.

