

Review of: "Semblions of Words — The Language of Natural and Artificial Neural Networks"

Jan W. Owsiniński¹

¹ Systems Research Institute

Potential competing interests: No potential competing interests to declare.

The paper concerns a potentially very interesting and important problem, namely that of representation of notions and operations on them, such as logical operations, reasoning, and mathematical deduction/induction. It is written in good English and altogether reads well and smoothly. This, however, does not affect the essential content of the paper, which is presented rather poorly. The paper is long, and a reader gets quite soon confused as to what, actually, are: 1. the problem that the author tries to solve or at least analyse; 2. the essential claim of the paper; 3. the ultimate and significant finding(s). In particular, the author provides already at the beginning some statements that find little confirmation nor continuation in the first few pages, at least; e.g., already in the Abstract (is this really an Abstract?), a claim is formulated that is neither more precisely explained in the introductory part of the paper nor supported by evidence. Then, without any mention in the Abstract, the introductory part starts with a statement on a newly discovered phenomenon, which is, again, neither explained - as to its connection with the substance of the paper - nor taken up in further presentation. At least these two, not being anyhow related one to another nor explained, constitute a good example of how the paper is written. Another example to the point is the formula that appears in the text without any sensible explanation nor interpretation.

Altogether, in my opinion, (1) the paper should be shortened; (2) the essential logic of the presentation ought to be more clearly shown and justified; (3) higher consistency of the presentation (narrative) should be ensured.