

## On Models of Meaning Processing

Edward Pogossian

Cognitive Algorithms and Models Laboratory of  
the Institute for Informatics and Automation Problems of the Academy of Sciences of Armenia,  
State Engineering University of Armenia  
epogossi@aua.am

1. What follows, is an explanation of my understanding of certain meanings tended to provide a theoretically consistent specification of what I mean by "meanings" generally.
2. We, a community, have meanings, and we present them via explanations.  
*Explanations of a meaning  $m$  are either the activated  $m$  itself, or the units of communications (counits) corresponding to  $m$ , or are models of durables.*  
Whatever causing in us prints are *our realities* (recall "thing in itself" by Kant), while the totality of realities is *our universe*.  
We do store prints, reveal there *regularities* (regs) (say, rules by A.A. Markov) and compose meanings as assemblies of regs.  
Durables are realities that cause prints with certain regs that are quasi stable in time.  
Classes of prints matching to regs of meanings imply corresponding classes of durables.  
Realities  $R'$  are the *models* of realities  $R$  if the meanings  $m_R$  and  $m_{R'}$  have equal parts, and  $R$  and  $R'$  are equal if have equal meanings.
3. Totalities of counits of some types comprise languages of those types while syntaxes of languages are parts of their meanings that present common constituents of counits of languages required for correct communications.  
Since we acquire meanings and corresponding counits in certain languages of our communities, the structure of meanings obey to the syntax of those languages.  
Thus, meanings, say in English, have to be structured by *have, be, do, time, aspects, voice, mood* and other syntax categories and the completeness of explanations depends on their presence in meanings and their presentations in explanations.
4. We do process meanings to promote our utilities. By meanings we model strategies promotion and estimate their consequences to choose strategies with the most perspective impacts to our utilities.  
The better meanings present our realities, i.e. the more *adequate* they are, the more effective the modeling can be.  
The scale we use to evaluate meanings is induced by the explanations we are able to put in correspondence to the meanings, which includes the following increasing degrees:  
be activated for a person, have language explanations, have model explanations, be a specification, be a theoretically consistent specification, have theoretically consistent models reproducible by certain communities.
5. In the presentation we are going to refine the above and consequent categories and provide the results of experiments in chess and other applications.

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