

Intelligence and hierarchy of Planck constants

Connection between intelligence and hierarchy of Planck constants

1. is motivated by several observations
 - (a) $h_{eff} = n \times h$ hierarchy predicts a hierarchy of time scales for spans of memory and anticipation
 - (b) The corresponding scale hierarchy makes possible hierarchy of "stories": representation of memory in different scales. For instance, real life event sequences lasting years can be compressed to few minutes. Or a process lasting milliseconds can be scaled up to a story of minutes.
 - (c) A fractal hierarchy of conscious information processing is predicted
 - (d) h_{eff} hierarchy makes possible negentropic quantum entanglement coding for rules as "Akashic records" readable by interaction free quantum measurement
 - (e) $h_{eff} = n \times h$ hierarchy predicts a hierarchy of time scales for spans of memory and anticipation
 - (f) The corresponding scale hierarchy makes possible hierarchy of "stories": representation of memory in different scales. For instance, real life event sequences lasting years can be compressed to few minutes. Or a process lasting milliseconds can be scaled up to a story of minutes.
 - (g) A fractal hierarchy of conscious information processing is predicted
 - (h) h_{eff} hierarchy makes possible negentropic quantum entanglement coding for rules as "Akashic records" readable by interaction free quantum measurement
2. suggests together with the notions of magnetic body and topological light rays carrying dark photons totally new kind of mechanisms of communication and control:
 - (a) EEG and fractal fractal hierarchy of analogs of EEG might mediate communications and control between magnetic bodies and parts of biological body b) These communications could be crucial at the biomolecular level and allow biomolecules to recognize each other on basis of the cyclotron frequency spectrum.
 - (b) Even remote variants of DNA replication and transcription and similar processes can be imagined if em signals are responsible for biocontrol
3. suggests topological quantum computation like processes
 - (a) realized in terms of braids formed by flux tubes idealizable as strings) and 2-braiding of the string world sheets representing their orbits
 - (b) realizing also memories as space-like braids and memories about event sequences as 2-braids
 - (c) This realization is possible in all scales but the realization in neuronal and microtubular length scales is of special interest
4. suggest a new kind paradigm for information processing able to avoid the problems of Turing paradigm and its quantum computational variant such as search based on resonance mechanism and hierarchy of magnetic bodies labelled by cyclotron frequencies. No need for programs nor detailed search. The searched item labelled by pattern of cyclotron frequencies would automatically respond to the call!