Geometric Language to Replace Mathematics and Computer Programming

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We have measured proteins, microfilaments in the neurons and neuron firing at large to identify a new kind of information processing unknown to us in the current neuron firing based approaches. Our experimental finds show that ionic firing in the neuron is not the only route, there is a wireless electromagnetic signalling. If we investigate carefully, the frequency distribution of these signals self-embeds geometric information. Earlier, brain studies never provided us a route to the brain's language processing. We used to consider "bits" as information, and used to fit brain's behavior with what computer scientists developed in artificial intelligence theories with a fitting function. Now, for the first time, we mechanistically unravel the natural language of information processing in the brain.

For us information is not bits. Information is a time cycle, where periodically a few frequencies play sounds at certain intervals. These playing of information holds geometric shapes and we convert every single information in terms of geometric shapes. This particular transition of information definition changes everything. Until now we used to do mathematics by counting, but if we create a language where instead of bits only cycles of frequencies are used then we do not have to worry about counting. We have made an extensive research on replacing various mathematical tools like matrix operation, tensor analysis, solving differential equations using simple geometric transformations. We have kept a special attention to the fact that there is never a geometric transformation that is not possible to implement using structural symmetry breaking in the materials science. Thus, we create the language of physics and then we apply the same for pattern recognition and creating music of images directly to activate senses of human subjects. A pure music to activate the image or taste senses.