

Abstract Submitted
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Number of Packages of Information which are processed in a Second by the Fundamental Particles (strings) of a Human Body
HASSAN GHOLIBEIGIAN¹, Retired, GHASEM GHOLIBEIGIAN, KAZEM GHOLIBEIGIAN², None — The fundamental particle (string) gets a package of complete information of its quantum state via inside of its sub-particle (sub-string) from dimension of information. This package is processed by sub-particle in each Planck time [Gholibeigian, APS 2015, abstract #L1.027]. On the other hand, a 70 kg human's body would have approximately 7×10^{27} atoms. Of that, 4.7×10^{27} would be hydrogen atoms. Another 1.8×10^{27} would be oxygen and there are 7.0×10^{26} carbon atoms. If we add that all up, total is 2.3×10^{28} protons, 1.8×10^{28} neutrons, and 2.3×10^{28} electrons. Each proton and neutron has 6 fundamental particles. So the total number of packages of information which are processed by each of us in a second becomes: $I = [6 \times (2.3 + 1.8) \times 10^{28} + 2.3 \times 10^{28}] \times 10^{44} = 2.69 \times 10^{73}$ packages. The processed information carry by fundamental particles. Based on Shanon equation, $I = -S$, this number can be equal to the increased entropy of each of us per second too.

¹AmirKabir University of Technology, Tehran, Iran.

²Technische Universitat (TU), Vienna, Austria.

Hassan Gholibeigian
Retired

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