

Abstract Submitted
for the MAR17 Meeting of
The American Physical Society

A Package of Information as the Planck Unit of Information and Also as a Fundamental Physical (Universal) Constant. HASSAN GHOLIBEIGIAN, No Company Provided — Dimension of information as the fifth dimension of the universe including packages of new information, is nested with space-time. Distributed density of information is matched on its correspondence distributed matter in space-time. Fundamental particle (string) like photon and graviton needs a package of information including its exact quantum state and law for process and travel a Planck length in a Planck time. This process is done via sub-particles (substrings). Processed information is carried by particle as the universe's history. My proposed formula for Planck unit of information (I_P) and also for Fundamental Physical (Universal) Constant is: $I_P = \frac{l_P}{ct_P} = 1\text{Plancklength}l_P$, Planck time t_P , and c , is light speed. Also my proposed formula for calculation of the packages is: $I = t_P^{-1} \cdot \tau$, in which, I is number of packages, and τ is lifetime of the particle. “Communication of information” as a “fundamental symmetry” leads phenomena. Packages should be always up to date including new information for evolution of the Universe. But, where come from or how are created new information which Hawking and his colleagues forgot it bring inside the black hole and leave it behind the horizon in form of soft hair?

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Date submitted: 22 Nov 2016

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