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What is Fine-structure Constant? SHANTILAL GORADIA, Gravity Research Institute, Inc. — Equation in [1] $\alpha \geq 1/\ln \sqrt{\lambda}$, linking fine-structure constant and cosmological constant derived by using S = k ln W, the total number of microstates used (W) is 10⁶⁰, justified based on a unique age tag attached to each Planck time. The OPEN and CLOSED states of the particle's mouth illustrated in [1] could be two different types of entropic repositioning pulses, say attractive and repulsive. They need not be confused as affecting the number of microstates. The characteristics of a microstate need not change the number of microstates. Mathematically then, W = N! / n!(N-n)!; where N = 10⁶⁰ and n =1; giving W = 10^{60} , used in [1]. There are reasons to consider each Planck time as unique microstate based on its unique age. While investigating the proposal in terms of other theories, one has to be to keep in mind that the knowledge that created one problem cannot solve another. Refer to [1] Goradia, Shantilal, "What is Fine-structure Constant?" http://www.arXiv.org/pdf/physics/0210040v3.

> Shantilal Goradia Gravity Research Institute

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