

Abstract Submitted  
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**Quantum Information in Biological Systems** SHANTILAL GORADIA, Retired — We can derive strong coupling and also recover Newtonian gravity with a quantum mechanical approach implicitly implying the variation of universal constant of gravity on a cosmic scale. Since constancy of  $G$  does not lead to cosmological constant, we derive 137 (described as the hand of God by Feynman) as a natural logarithm of the age of the universe in Planck times ( $10E60$ ). Since we use Boltzmann equation on his tomb to do that, we describe that equation as the heart of God! Since otherwise, no theory including the string theory can so far come up with 137 mathematically. Maximum potential ON and OFF signals of interactions of  $10E60$  ever since the big bang could provide the fundamental basis of information system in the universe including in biology, implying the sperm of a man carries the genetic information of the male which when combined with the genetic information of a female egg decides the characteristics of the offspring. We may never know the exact language of nature. We speculate the string theory may be able to step in to show some deeper light in that direction.

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