

Abstract Submitted  
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**Each Hidden Extra Dimension of the Fundamental String has Special Geometry which Generates Special Frequency Mode and Time's Flux** HASSAN GHOLIBEIGIAN<sup>1</sup>, AZIM AMIRSHAHKARAMI, Retired, KAZEM GHOLIBEIGIAN, None — In our vision, the geometry of each extra dimension of fundamental string plays a vital role in string motion/vibration, generation of its wavelength and special frequency mode. On the other hand, nature of time is wavy-like motion of the mater and the nature of space is jerky-like motion of the mater [Gholibeigian et. al. APS 2016, abstract #D1.032]. So, each fundamental string in its motion/vibration generates different wavelength correspondence of geometry of each extra dimension and its direction which is in face front of the motion. Each direction has its own time flux (time's dimension). It means that the “world-sheet” of each fundamental string has its correspondence “time-sheet” including different time's fluxes (dimensions). So, our proposed relativistic classical equation of string theory is:  $n.t_p \frac{\partial R}{\partial \tau} + \frac{\partial^2 X^\mu(\sigma, \tau)}{\partial \tau^2} = n.t_p \left( \frac{\partial R}{\partial \sigma} \right) + c^2 \frac{\partial^2 X^\mu(\sigma, \tau)}{\partial \sigma^2}$ , In which  $R = f(mv, \sigma, \tau)$  is time's flux,  $X^\mu$  is space-time coordinates of the string,  $\sigma$  &  $\tau$  are coordinates on the string world sheet, respectively space and time along the string, string's mass  $m$ , velocity of string's motion  $v$ , factor  $n$  depends on geometry of each extra dimension which relates to its flux time and  $t_p$  is Planck's time.

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