

Addendum: Hypothesis: a geometrical explanation to the Planck's Law formulation. Addition to Nextex set of conjectures: Version 1.0

Prado, Pf et al dated 23/09/2016

Authors Observation and addendum: The dynamics related consequences of this geometrical approach is:

Fermi–Pasta–Ulam recurrence reveals that when all the information of a system is in its dominium's frontier (boundary of the manifold) , there is no the sufficient volume available for thermalization (no divergence on the Helmholtz decomposition). This is explicit in the zero point PLANCK's formulation for vacuum energy (the frontier) $E=0.5hf$. The factor 0.5 would mean that only one side of the boundary (frontier) would be accessible. All of this reveals that the assumptions that PLANCK had done about the states of the oscillators in PLANCK's LAW deduction were indeed related to the condition of all energy on the boundary of its manifold. (frontier of the dominium of the system).