

Limitations of quantum physics as pointed out through the Space Vortex Theory (SVT)

The Quantum Theory (QT) dates back to the beginning of the 20th century. It has not yet discovered the electron structure. One of the several reasons is its postulate of empty space. It treats the space as a void like Newtonian space and the space of the relativity theory (RT). As against this, as per the space vortex theory (SVT)'s principles, the vacuum considered without matter and fields is the only basic energy source in the universe. Thus the QT has no entity in the universe which can create and structure the particles of matter, provide motion to the planets, stars and galaxies. Fields pervading the space are the structures of matter created with the creation of matter.

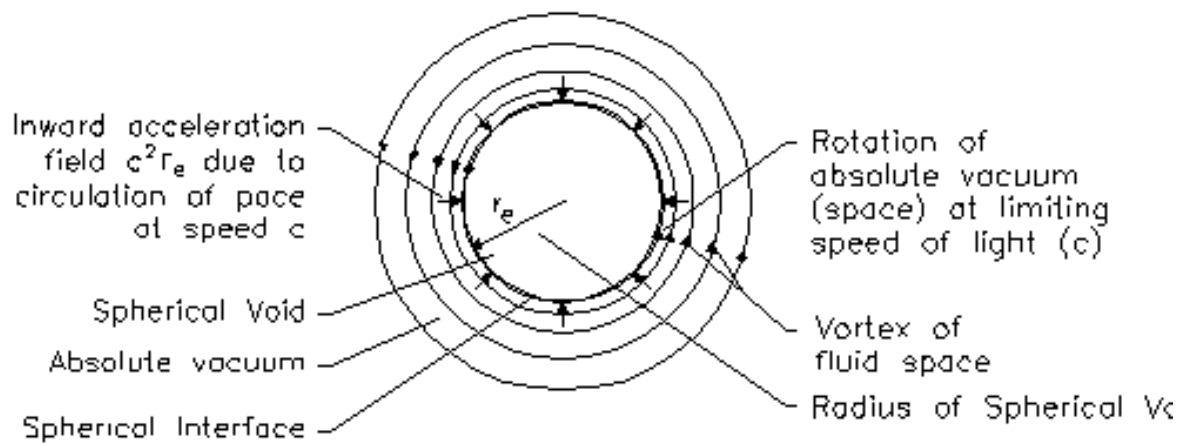
The sketch below is the electron structure with a sphere of void. In the centre and enclosed within an interface of vacuum–void. It circulates with speed of light relative to vacuum (c).

The inward acceleration field, highest in the universe, are impressed on the interface. The structure is dynamically stable.

Basic equations for the mass and the charge of the electron that are universally applicable have been derived [discovering universal energy] www.tewari.org.

It is shown in SVT that the oscillators in black body radiation are reacted by the fluid vacuum which has its limiting flow at velocity of light. So, while the energy emitted at lower frequency continues to increase initially, vacuum reaction to oscillating atoms far increases and the luminosity goes down. [See "Diversion from Reality through QT"] www.tewari.org

Thus the ultraviolet catastrophe is a natural process. Planck through his energy equation has discovered the Planck constant which is derived in the above note to be the angular momentum of the electron. Also, the energy content in Planck constant is derived to be the energy in one shell of light emitted by the oscillating atoms. There being no storing mechanism in the atom, how could the energy of f-numbers shell, emitted at different times, be added to build a bundle called photon.[see the above note]



Absolute vacuum possesses non-material properties of incompressibility, zero-viscosity, continuity & mass-lessness of an ideal fluid; fieldless & energyless spherical-void is created due to limiting rotation & breakdown of absolute vacuum.

Fig. 2-3 Vortex in electron structure

Thus, at the very start of the QT, two great misconceptions became the cornerstones of QT.