

Pauli and Spatial Quanta

Of much interest throughout physics events the various elements seen in nature can be notably credited to Pauli's Exclusion Principle additional to the other aspects of nature i.e. charge, quantum numbers, and energy amplitudes. Neatly in atomic physics we have, as creation embodies, there happens to be a natural format for a numbering and alphabetical character system in such a fashion which could be described in one sense as a spatial/material matrix. To expand on this concept it can be referenced in The Spatial Quanta Theory allusions to mathematics being the root of operation of the universe. Other ascriptions have been made throughout physics history of such to be what is being observed and what is the symbiant relation to mathematics and the behavior of matter both atomically scaled and macroscopically measured. "When we observe quantum physics, we are observing corporeal math."

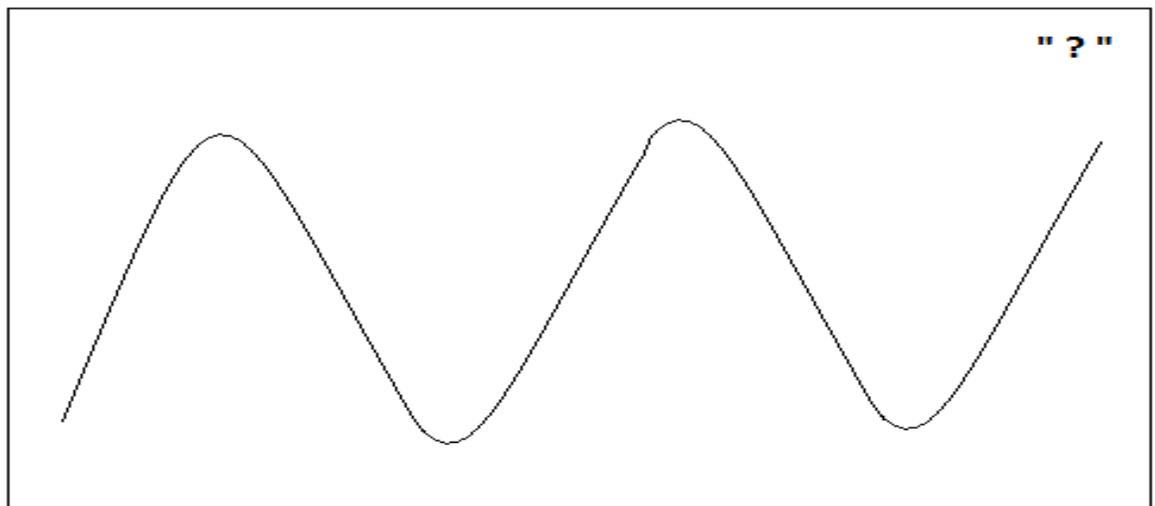
An elaboration of this can be further detailed by applying TQS to The Pauli Exclusion Principle. The Theory of Quantized Space referred to the fabric of space being of a vectorially arranged, amplitude kineto-actuating, grid of spatial units. These spatial units host quantum of energy. The interaction of a quantum of energy and unit of space constitutes a matter particle. There are many attributes supporting TQS, from instantaneous transitions of particles seemingly through space in atomic systems and otherwise, to diffraction and now it can be inferred that the Pauli Principle can authenticate this space model.

The Pauli Principle postulates there cannot be two electrons in an atomic system with all four quantum numbers alike, which applies to nucleons as well in their own environment inside nuclei. That there are certain forbidden energy levels and positions for subatomic particles such as electrons in atomic systems also nuclei, we can explain this by proposing proportions between spatial quanta interaction with particles of matter. These proportions are an illustration of intrinsic actions and events of space, time, matter and energy. This particular relation may be analogous to an early transistor where we have electrons being regulated by combined elements into a small component, some pure others impure, resulting in the desired function of the component. In the case of a transistor indium impurities found in germanium leaves electron holes that cause surrounding electron to be attracted to the holes corresponding to a positive area. Similar can be seen in this relation where electrons in shells and in nucleons in nucleus complexes cannot be in the same place at the same time with the same level of energy. It is more direct to specify the unit of quantized space, itself of numeric value 1 representing only 1 dimension if space, to potentially be the cause of these forbidden regions elaborated upon by Pauli. The radial orbital shells of the atom intersect these spatial vectors at the mathematically testable points defined in now classic quantum mechanics. We will need to look for possibly a regular three-dimensional grid crosssection pattern to known radial and elliptical orbital particle allotments as a kicker to begin the testing with equations.

Space Quantum vs. Atomic Shell Quotas

(Pre-math)

Angular
distribution of
atomic orbital
allotments
"allowed zones"



Projected spatial
quanta unit
mesh pattern

Look for the original Theory of Quantized Space at www.sci-theory.com