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An introduction to temporal wave mechanics

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Temporal Wave Mechanics (TWM) is introduced as a successor theory to Quantum Mechanics (QM). QM was developed to explain the structure of the atom, but it applies almost entirely to its electronic structure. The nuclear structure per the standard model is deficient. The CERN bogey of 750GeV does not fit QM but is predicted by TWM. The electronic structure of the atom is perfectly described by QM, yet understanding of the nuclear structure, as exemplified by the 1963 Nobel Prize in Physics to Goeppert-Mayer and Jensen for nuclear shell theory, has not advanced since then. TWM shows that energy is organized in the atom not only by discrete integer counts but also by irrational numbers such as π and φ. Julian Schwinger promoted a correction factor of α/2π. The fine structure constant α, among other physical and numerical constants, appears in TWM to show a deeply complex level of organization of matter never seen before. TWM answers Linus Pauling's spheron concept. The basis for the Heisenberg uncertainty principle is found and the Dirac equation is better understood. All 89 Mossbauer isotopes fit one equation; the recoil explanation is dismissed. Out of TWM comes a concept of two orthogonal dimensions of time and that all matter and energy in the Universe are electromagnetic in nature. The particle theory of matter is untenable. Wave behaviour, as well known in electrical engineering, especially in radio and radar, applies as the modelling basis for TWM, befitting the wave packet concept of QM. Signal processing theory also is utilized in TWM. TWM applies not only to the atom but all the way out to solar system organization as correlations to our planets, are stunning.

Biography

Kenneth M Rauen received his BS in Chemistry from the University of Detroit. He is a research scientist and consulting engineer in frontier physics alternative energy, living in northern California. Currently, he is an Associate of Rainforest Reactor Research and Temporal Dynamics Laboratory in Seabeck, WA. He has collaborated with Bill Harrington of RRR and TDL on TWM.

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