

# Similarity between Wave Structure of Matter and Quantum Ring Theory

**The Wave Structure of Matter** (WSM) is proposed by Dr. Milo Wolff, a theorist retired from MIT.

Wolff's theory has an interesting similarity with Guglinski's **Quantum Ring Theory** (QRT), as shown herein

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## How is matter 'particles', constructed of waves ?

In the most recent paper<sup>(1)</sup> written with the partnership of Dr Geoff Haselhurst, Milo Wolff responds the question on how matter is constructed of waves:

Answering this question requires a change of concept from a discrete material, like a grain of sand, to a wave structure in space. The physics and math are very simple but the main task is to change old ideas embedded in our minds.

**Matter is a wave structure** propagated in a *quantum space medium*. Figure 1. There are two solutions of the wave equation: an inward moving spherical wave that rotates *spherically* [Reference 9] at the waves center, producing spin  $h/4\pi$  to become an outward spherical wave. The wave center is the

apparent location of the electron/positron formed by pairs of the wave solutions. See Wolff [10-13]. This structure satisfies experimental observation and displays a beautiful tapestry of the universe that connects matter, the cosmos and ourselves. [Wolff 14, 15].

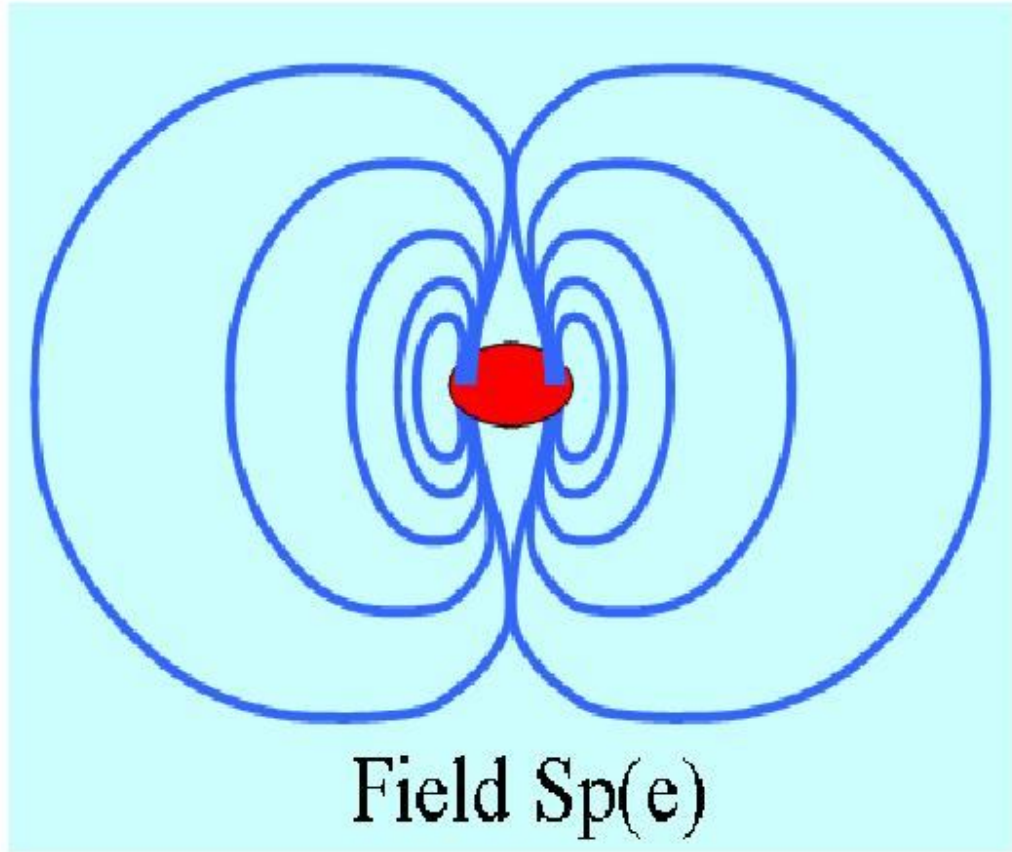
This Spherical Standing *Wave Structure of Matter* (WSM) applies to cosmology, the big bang, the red shift, and the structure of the universe. On the practical side, the WSM improves devices in nanotechnology, computers, and micro circuits; and may in the future, apply to biology and the transmission of electric energy.

## **The fields $Sp(e)$ & $Sn(e)$ of Quantum Ring Theory**

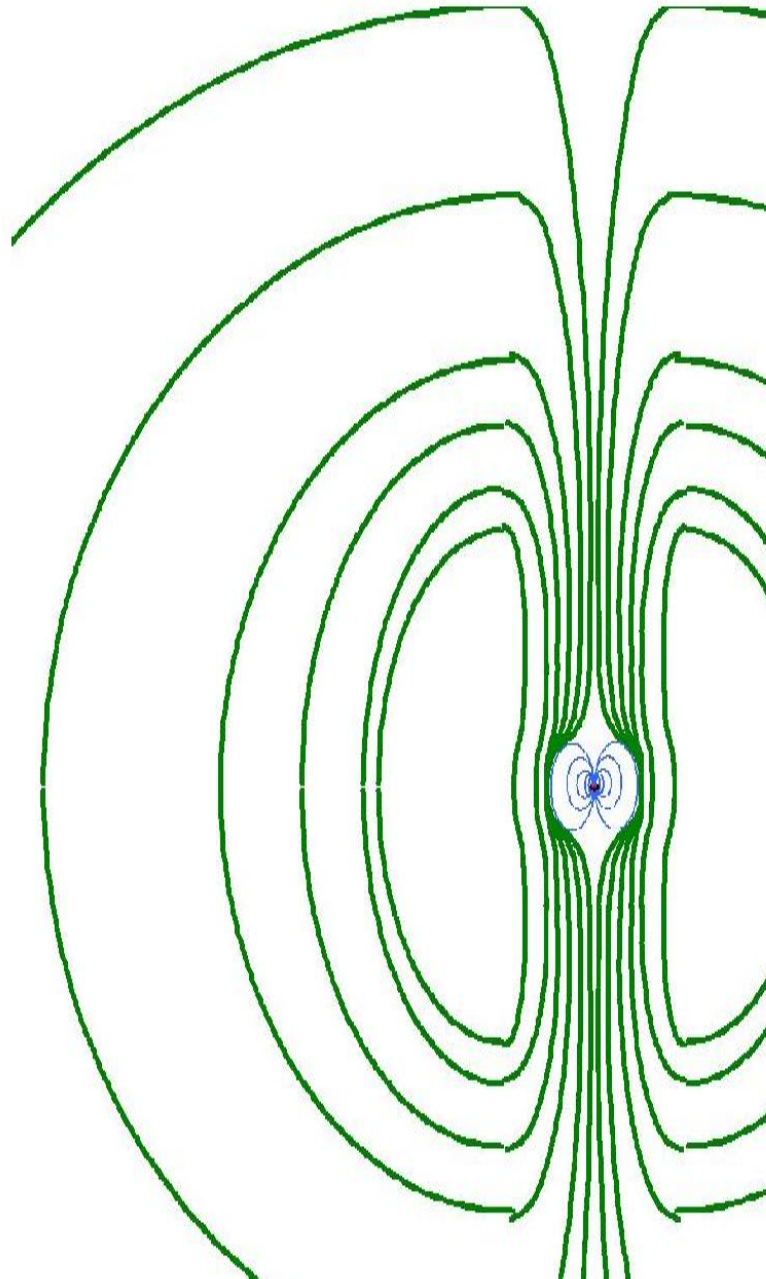
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QRT proposes a model of electron where the rotation of electron's body ring induces a principal field  $Sp(e)$ . The spin of the field  $Sp(e)$  induces a secondary field  $Sn(e)$ .

The field  $Sp(e)$  is shown in the figure:



The secondary field  $Sn(e)$  surrounding the principal field  $Sp(e)$  is shown in the figure:



## Explanation of nuclear properties

In the book Quantum Ring Theory it's shown that by considering the fields  $S_n(p)$  &  $S_p(p)$  of a proton it's possible to explain nuclear properties that cannot be explained by current Nuclear Physics, as for instance why two

neutrons do not agglutinate to perform a dineutron, since the Heisenberg's concept of isospin is unable to explain the cause why the dineutron does not exist in Nature

QRT also shows that from the two fields  $S_n(p)$  &  $S_p(p)$  we calculate the binding energies of lightest nuclei, something that it's impossible from the nuclear models of current Nuclear Physics.

## **$S_n(e)$ is a wave of aether**

The **Telesio Galilei Academy of Science** promotes the publication in 2009 of the Guglinski's book **The Missed U-Turn , the duel Heisenberg versus Schrödinger**, where the wave nature of the secondary field  $S_n(e)$  is explained as follows:

The proton's secondary  $S_n(p)$  field actually is not a field of the proton. Instead of belonging to the proton, it actually belongs to the aether that composes the whole Universe involving the proton. In another words, the secondary  $S_n(p)$  field is a disturbance of the Universe that surrounds the proton's principal  $S_p(p)$  field. Obviously the same we may say on the electron's  $S_n(e)$  secondary field. Therefore the  $S_n(p)$  secondary field is not something that belongs to the proton and is dragged by the proton's motion along its displacement in the Universe. The  $S_n(p)$  field is a disturbance of the aether that is transmitted along the proton's motion, like waves of the water when a ship crosses the surface of a sea. The  $S_n(p)$  field belongs to the aether that fulfils the Universe, and it is the intermediary way of interaction between the proton's  $S_p(p)$  principal field and the rest of the Universe.

As said, the electron's  $S_n(e)$  secondary field and the proton's  $S_n(p)$  secondary field are responsible for the Coulombic attraction between them.

As the secondary fields  $S_n(e)$  and  $S_n(p)$  belong to the aether of the Universe, of course they do not gyrate (do not spinate). Unlike, the principal fields  $S_p(e)$  and  $S_p(p)$  gyrate, and just such rotation induces that disturbance of the aether, which takes the form of the secondary field  $S_n(e)$ . That is, the secondary fields  $S_n(e)$  and  $S_n(p)$  are induced by their principal fields  $S_p(e)$  and  $S_p(p)$ .

## Other successful proposals of WSM

In this article Milo Wolff shows that WSM eliminates several paradoxes created by theories that consider matter as particle. He writes in the article:

*In years before 1990 the 'particle' attempts became increasingly bizarre: Multiple universes, microscopic strings, tiny tops, quarks, we live in a black hole, or a white hole, a universe made of worm-holes, the big-bang, and so on and on. Any incredible scheme, with any number of dimensions seemed to be a valid model of matter, provided the algebra was correct and it did not violate the conservation of energy. Many predicted that the solution to the deep puzzles would be strange.*

*It is philosophically sobering that spherical rotation is a property of only 3D space, not 2D, 4D, or other space. Thus, proposals that postulate 5D, 10D, 11 D space, etc. are patently invalid; they cannot describe real matter with spin. Further, if spherical rotation did not exist, we and our Earth – all matter in the atomic table could not exist.*

## Conclusion

As WSM and QRT propose a similar structure of matter, so WSM reinforces the model of fermion proposed in QRT. And so the several successful applications of WSM can be shared by the proposals of QRT.

## See also

[Quantum Ring Theory](#)

[Antigravity within the photon](#)

[Repulsive gravity within the hydrogen atom](#)

## Reference

1- Milo Wolff, Geoff Haselhurst, The Wave Structure of Matter (WSM) and the origin of the Natural Laws, Frontier Perspectives, V. 16 , No. 2 – 2008.

