

## *On the nature of atoms*

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This paper postulates an advanced model of atoms under consideration of the research results from Marc Kießling by his paper entitled " About the properties of energy".

There is a centered, approximately spherical area of energy. Around it there is/are approximately spherical energy value/values . The centered energy is of higher value as the surrounding spherical energy value/values.

In the following the model is described with more than one outer spherical energy value.

The motions of the energy values within the center and the outer energy values are synchronous. The motions of the centered energy influence the motions of the outer energy values in terms of their direction and velocity and vice versa. This occurs as a consequence of the energy values tending to the smallest amount of  $\Delta W$  in their surroundings, which is on the specific ways of the synchronized motions.

The motions of the centered energy area and the spherical energy values lead to an frequency pattern, which influences other energy values (particles) or other atoms. This leads to the observable effect of the wave character of energy values (particles) in double-slit experiments. Assumably under these conditions (double-slit), the frequency patterns of the atoms of the slit interfere with each other and generate a wave pattern. Therefore the energy values (particles) follow these generated patterns to the detector.

Although the outer spherical energy values move on determined ways, they take variable ways within a generated space by the motions within the atom and influences from other atoms. Therefore chemical bindings are determined by the generated spaces, in which the outer energy values are located. But their specific motions within these spaces lead to another property of atoms, namely, assimilation and differentiation between atoms concerning their frequency pattern.

## **Statement of originality**

I hereby confirm that I have written the accompanying paper by myself, without contributions from any sources other than general knowledge and knowledge base.

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