

# The Incredible Story About the Reality

By J.A.J. van Leunen

Changed at: 12 February 2018

## *Abstract*

The reality is far more absurd than current physics demonstrates us.

## Introduction

This story is about the reality, in which we live. The physicists and philosophers have discovered and written a lot about this, and much of it is true because it is immediately perceptible. However, what these scholars have concocted about what is not immediately perceptible touches all too often side nor wall. Sometimes that is immediately refutable, but even then, the lie remains maintained because no better story exists. The reality proves to be much more remarkable than people can imagine. We know this because sometimes new observations invalidate the old stories. Sometimes these observations only deliver the outcome that the old story is not correct. In that case, the physicists usually reinvent a new explanation. Sometimes the old erroneous story is just retained. To prevent imagination from taking too many opportunities, scientists often suggest that reliable observations must support every trusted physical claim. This requirement is a dangerous decision because it excludes that the human spirit can deduce what exists in reality from extant knowledge. In particular, mathematics can derive reliable constructions from basic principles. Philosophy does so in a much more daring manner.

## The reality

Observers can perceive a significant part of reality. Reality includes aspects that observers cannot perceive in any way. All our tools are far too limited, but in many situations, reality itself prevents any possible observation of these aspects. This situation does not preclude the deduction of hidden aspects from plausible fundamental principles.

It seems that reality contains a clear structure. As we delve deeper into this structure, it becomes easier comprehensible. If this structure has a foundation, it will be readily comprehensible. Mathematicians exist that make their hobby from devising structures that have interesting properties. There is a reasonable chance that these researchers have already devised a structure that corresponds to the fundamental structure of reality. Now the fundamental structure of reality possesses the peculiar feature that it automatically passes into a more complex structure that has this same property again. After a few steps, this leads to a structure that we recognize from our observations of reality. If reality is actually walking this way, then by starting from this fundamental structure, it is possible to deduce the hidden part of reality. Almost certainly without searching for the foundation of reality, some scientists discovered this basic structure. What remains is to figure out how this structure evolves into higher, more complicated layers. The commencement of this process started almost a century ago, but scientists never worked it out seriously.

The deeper layers of the structure of reality contain the hidden origins of many facets of reality. Just think of the origin of mass, the origin of electrical charge, how nature constructs light particles, how basic objects constitute elemental particles and how these particles connect into more intricate particles.

## The renewed physics

The research of this part of reality will disprove some of the false stories about reality and might replace them by better matching stories. These new stories will initially sound incredible.

This research is right away in full swing and delivers its first results. The reached results are amazing.

For example, the project discovered two categories of super-tiny objects. Separated from each other, these objects are not perceivable. Collectively, these basic objects constitute all the discrete objects that occur in the universe. They are nature's basic dark quanta. One category forms the dark and the visible matter. The other category carries the dark and the visible energy.

The investigation also provides a powerful and versatile modeling platform for the exploration of physical theories. This platform is a read-only repository for the dynamic geometric data of the objects contained in the universe. This platform provides limitations that allow fewer opportunities for the development of fantasy stories. The whole universe with everything in it and the whole history of this universe fit into this model.

It is possible to see the model as the personification of a creator. At the time of creation, this creator has archived all the dynamic geometric data of his creatures in the repository and then leaves the data alone. Only after sorting the timestamps in the storage areas becomes clear that the repository tells a dynamic story. Any observers live in the part of the repository that travels with the progression pointer. The observers only have access to storage bins that for them contain a historical timestamp. A smooth field that embeds both the observers and the observed event brings the relevant information to the observers. This information transport affects the content of the information received by the observers. The embedding of objects distorts the transport continuum. The continuum forms the living space of all discrete objects.

At the instant of creation, the repository archives everything. The creator, however, is no control freak. He allows the spatial positions of his creatures to be determined by stochastic processes. On the other hand, he takes care that everything is fairly orderly because for each stochastic process he installs a characteristic function that ensures that the hops of an elementary particle form a coherent swarm.

This description allows the model to be seen in two distinct ways. One way is the storage view. The creator can see all data and does not depend on the progression direction. The other picture is what the observers experience. They are forced to follow the progression direction. Thus, the creator can see the phenomena of pair production and elimination of particle pairs as reflection points in a zigzag movement in the progression direction of a single particle. Observers must do with the creation and annihilation stories of a particle and its anti-particle. The emission of photons can still be described with a credible story for observers, but the absorption of photons requires an incredible directional accuracy. The creator can simply describe the absorption as a reverse emission process. Us as observers sounds that very uncommon in the ears.

The creator is a modular designer. The elementary particles are elementary modules that collectively form all other modules, and some modules form modular systems. Each module possesses its private stochastic process which determines the footprint of the module. This process also provides the binding of the components of the module.

The story provides the origin of gravity, the origin of electrical charges and the color charges of the elementary particles. It indicates what spin can be.

The story reconnects to the current version of physics but also shows that in the past some aspects of reality were misinterpreted by the physicists. At the universities, students will still hear this erroneous lecture.

The media do not yet have any knowledge of these developments and faithfully follow the image that is outlined by conventional physics.

The paper "Structure in Physical Reality"; <http://vixra.org/abs/1802.0086> offers a more detailed presentation.

The Wikiversity Hilbert Book Model Project provides a comprehensive overview of the results achieved. It contains all details and the required mathematical tools.

The e-print archive [http://vixra.org/author/j\\_a\\_j\\_van\\_leunen](http://vixra.org/author/j_a_j_van_leunen) contains several documents that treat highlights of the project.