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PHYSICS OVERWRITTEN IN A NEW PERSPECTIVE: "Epistemologically Different Worlds"

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A clever person solves a problem. A wise person avoids it.
(Albert Einstein)

Matter will be spiritualized when the true theory of physics is found.
(Kurt Gödel)

As an older friend, I must advise you against it, for in the first place you will not succeed; and even if you succeed, no one will believe you.
(Planck writing to Einstein)

Truth... is much too complicated to allow for anything but approximations.
(John von Neumann)

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Introduction

The EDWs perspective, a new general framework of thinking for all physicists!

“The present situation in physics is as if we know chess, but we don’t know one or two rules.”

Richard Feynman

In our previous works (2002, 2005, 2008, 2011, 2012, 2014, 2015, 2016; Vacariu and Vacariu 2010, 2016a, 2016b), we have shown that the greatest illusion of human knowledge is the notion of “world”, of “uni-verse”, or as we called it, the “Unicorn-world”, notion that has endured from the oldest times until today. In these works, we have indicated that the “world”, the “Universe” does not exist and should be replaced with the “Epistemologically Different Worlds” (EDWs) concept (more specifically, for many EDWs, it is about the entities and the interactions which really exist and only represent these EDWs). We emphasize that the EDWs perspective is a new Copernican revolution in human thinking, the greatest movement in Physics, Cognitive Neuroscience, and Philosophy! During the past 15 years, we have applied the EDW paradigm to the main particular sciences and main theories in physics (quantum mechanics, Einstein’s special and general relativity, and the relationship between them), cognitive science (ranging from computationalism and connectionism, to the dynamical system approach), cognitive neuroscience and biology (if only to the relationship between life and organism/cell). Also, we showed that the entire Philosophy since Ancient period until now is totally wrong (since all philosophical approaches have been revolving around the “Unicorn-world”). This book closes the circle of great topics concerning science (physics, cognitive (neuro)science, and biology) and philosophy that we grappled with in all our previous books (2008-2016): It dwells on the relationship between the

main theories and concepts of Physics vs. the EDWs perspective!

The main theories that we investigate in this and our previous works have been created within the Unicorn-world, therefore, all these approaches have been quite wrong. Some of these theories have been partially re-written in our previous books (both Einstein's theories concerning relativity, thermodynamics, and our EDWs perspective, see Vacariu and Vacariu 2016, 2017, etc.), but even some notions of these theories were wrong. For instance, in our previous book (2016), we indicated that "spacetime" cannot even exist (spacetime cannot have any kind of ontology!). Therefore, in 2017, re-wrote Einstein's both relativities without "spacetime". The majority of theories in Physics have been created within the unicorn world and therefore these theories have been quite wrong or at least the authors of these scientific theories have used wrong concepts.

This book is a collection of our previous ideas, but we strongly emphasize that some of these idea are quite developed in this work. Therefore, this book can be labeled as: "a philosopher overwriting Physics within a new paradigm, the 'Epistemologically Different World' (EDWs) perspective"! We emphasize that some parts of this book are from our previous works (but even so, these parts are modified, we added new paragraphs or sub-chapters), but some parts are new written. In general, the new details of this book are the results of following Presura's book about Physics (2014) written in Romanian. His book is a general overview of the main theories in Physics. Presura is a physicist who wrote a book about these theories in a quite easy language for large public (also for philosophers). There are quite many paragraphs from Presura's book that are quoted in our book. We emphasize that Presura's paragraphs inserted in our book are our translations. Also, we inserted quite many of his ideas but we mentioned his name each time. We apologize if some notions or ideas are wrong translated.

The first Chapter is about the EDWs perspective. In Chapter 2, we introduce more details about the rejection of "space-

time”. In Chapter 3, we insert the ideas from our book Vacariu and Vacariu 2017 about Einstein’s relativity without “spacetime”. However, new paragraphs are introduced in this chapter. In Chapter 4, we are indicating that all alternatives of quantum mechanics have been wrong: parts of this chapter are from our previous works, other parts and paragraphs are new ideas/comments. In Chapter 5, we discuss about the Grand Unified Theory (GUT) and the Theory of Everything (TOE), Big Bang (transformed, according to the EDWs perspective, in many Big Bangs – in this way, we avoid Alan Guth’s empty notion of “inflation” which contradict Einstein’s principle of constant speed of light which cannot be surpassed by anything else). In Chapter 6, we introduce an updated version about the dark matter and the dark energy (in 2016, we published a book about “dark matter/energy, space and time and other pseudo-notions in Cosmology” and in 2020 we published a chapter in a book edited by the physicist Michael Smith - see the bibliography. We mention that, in that book, except our chapter, all the other chapters are written by physicists!). For instance, in section 6.4, we introduce a new alternative to dark energy and dark matter, an alternative that is different even from this updated approach! In Chapter 7, we furnish more details about the non-existence of “hyperspace” and the futility of the “superstring theory”. In Chapter 8 in indicate the clear great distinction between our EDWs and Primas and Atmanspascher’s approach (under Spinoza’s “dual aspects” approach and Bohr’s “complementarity” constructed within the unicorn world). In the last chapter, chapter 9, we analysis Rovelli’s rejection of “space-time” (based on Einstein’s general relativity) within the unicorn world. We rejected the ontology of “spacetime”, but our argument is totally different than Rovelli’s argument. Moreover, we indicate that Rovelli’s argument is quite wrong, constructed within the unicorn world.

As a conclusion, we emphasize that we have overwritten the main theories, ideas and concepts of Physics within the new Copernican framework of thinking, the EDWs perspective. The um-

brella under which we have been working indicates that the great problems of Physics are pseudo-problems constructed within the wrong framework, the “Unicorn world” (the Universe/world) which does not really exist. Therefore, we have to replace the unicorn world with the EDWs! At the end of our Introduction, we mention that that have been many physicists, cognitive neuroscientists and philosophers who have published UNBELIEVABLE similar ideas to our ideas long time after our ideas being published!). It is not something surprising since the EDWs has changed everything in human knowledge! Therefore, we end this chapter with this paragraph:

“The distance between the pioneers and the much smaller followers becomes so great that the latter cannot reach the former; the age of servile imitation begins – yet not of nature, but of the style of the great masters, zealous copyists remove the labels from the elixirs of the Magi and put them on their vials.” (Arnold Gehlen, *Images of time*).