

A Vision of the Universe: Matter Without the Need for Space and Time

ZBIGNIEW OZIEWICZ

Universidad Nacional Autonoma de Mexico
Facultad de Estudios Superiores Cuautitlan
Cuautitlan Izcalli
Estado de Mexico C.P. 54714
oziewicz.zbigniew@gmail.com

Abstract. I will try to present a philosophy of Universe, that consists of primordial matter without space and without time. Without good philosophy of Universe, without correct vision of Universe, mathematics is blind and has no idea where should go. And vice-verse without good mathematics any attempt for Worldview is useless. Matter is not needed neither a space nor a time. However, a space needs primordial matter and time needs primordial matter. This is just a reverse to Issac Newton believing, and to Albert Einstein, that a space is a primordial container for a matter, - that matter needs to be localized. Existence of a matter (composed or not) do not need a choice of a reference body. However, energy of a matter (including self-energy) needs a choice of a reference body. Similarly, each velocity (each motion) needs *a priori* a choice of a reference body. However, nothing is forcing that a reference body MUST be selected. Nature and Universe exists without concepts of energy and without motion, because no reference body was selected. Copernicus in 1543 noted that relative to two reference bodies, each body possess two different energies and two different motions. Nothing in Nature force to made a choice a reference body (zero reference body); nothing force to made just a choice of a single reference body (one reference body); nothing prevent to made a choice of two different reference bodies (two reference bodies), and etc. This is a Multiverse, given by a sequence of natural numbers. Another interpretation of the metric tensor as genuine wave-corpucle duality is explained. Conclusion: the worst mathematics for Universe is group theory and symmetries.