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Understanding Reality in Science, Philosophy, and Theology

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Abstract. The importance of rationality for understanding Reality is often underlined by great philosophers from Greeks, René Descartes to Karl R. Popper [1]. In particular, philosophy and theology of science of Michał Heller, a contemporary Polish cosmologist, is a proclamation of rationalism [2]: not only science but also faith should be rational. The whole universe is the unique Word of God that gives a sense to man, history, and world. Reason that was at the beginning penetrates every Being; existence results from rationality of Divine Thought. Hence we ought to look for the sense of the world in the mystery of rationality; the sense given by God to every existing Being is the justification of the universe.

It is also worth noting that the scientific revolution in twentieth century quantum and relativistic physics [3-5] and also in nonlinear (fractal) mathematics [6,7] requires a new epistemology based on an ontology exceeding the classical ontological principles. Classical metaphysics would only be, in a way, an approximation of the new metaphysics, similarly as classical physics is the limiting approximation of quantum physics [8]. We hope that this would render possible an opening of philosophy and theology to the mathematical natural sciences, and consequently would admit a better understanding of man and its place in the surrounding world.

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