

## Essay

# God, Mathematics, and the Physical Sciences

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### Abstract

There are two classic philosophical questions that have seemed irresolvable: (1) When a mathematician defines a new branch of mathematics, or even discovers a theorem, is such definition or discovery truly creative, or merely a discovery of what already existed in the sense that Platonic realism holds mathematics is eternally real with no reliance on minds for existence? (2) Why does mathematical modeling for physics work so well, such as, for example, the Schrodinger wave equation? This note argues that both questions are well answered when the inquiry posits that there is God who created both "real" and material existences.

**Keywords:** God, mathematics, physical science, discovery, existence.

The analysis presented here starts with the very first question that must be addressed, and that is about why any world of any sort exists at all, but this question is by itself ultimately imponderable. There are two obvious explanations for existence:

- (1) The world somehow emerged from pure nothingness; and
- (2) The world simply always existed.

The first explanation defies common sense, and the second explains nothing, but simply defines the problem away. One solution is to posit that there is a God creator (which I justify by revelations from the Near Death Experience and Out of body Experience literature [1]. In [2], the author [2] presents a theory based on the reports from the Out of Body Experience that the world was sequentially formed as three domains.

The first domain is God alone as pure thought or consciousness. The second domain is a world of light in which all entities possess consciousness and are invested with light, as is God's appearance. The third domain is the material world that is normal for life on Earth. This analysis accepts that God is the creator of all that exists, granted that it cannot explain why God exists.

However, by positing the existence of God, then Platonic realism is adequately justified, so that mathematics and logic are realities for the mind of God. The answer to the first classical question about whether mathematicians creatively develop new mathematics, or instead merely find what already existed as Platonically real is that:

- (a) Individual mathematicians do engage in discovery that is personally creative within their own experience; and

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- (b) But, what mathematicians discover are the real truths previously created by the mind of God.

Thus, there are two answers available, both correct, only the second answer overrides the first - Mathematicians may discover what God had already created.

The second classical question concerns the apparently great success physicists have in defining mathematical models for physical processes. Given that we posit God as having designed the material domain to function according to His preset rules, it then follows that physicists discover the rules (models) that were used to construct the material world. Newton and Einstein were both pursuing explanations that presumed there were rules, laws of physics, designed by God.

However, it may be the case that as the current physical world evolves, hypothetically the rules may change; this is in fact an open question for physics, as a select physical constant appears to have changed. One particular physical constant has been measured as having changed from the time of the Big Bang. Researchers in Australia have found that the fine-structure constant, known as  $\alpha$ , has changed in both space and time since the Big Bang [3]. Conventional philosophers who refuse to accept that there is a God creator fall into their own black hole preventing explanation for the two classic questions posed. By positing a God creator, these questions are then made answerable.

## References

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