

Essay

Zero-energy Universe & the Existence of God

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ABSTRACT

God, being prior to space, time, matter and energy, would be neither space, nor time, nor matter, nor energy, but something beyond them. That is, God is outside space, time, matter and energy.

Keywords: One God, creation, spacetime, beyond spacetime.

Scientists have found that the total energy of the universe is zero. From there they have argued that the universe might have originated from nothing due to quantum energy fluctuation in a void, no God being needed for its creation. But I think zero-energy universe gives us one more reason for believing in the existence of God.

If God is the creator, then he would be prior to the existence of space, time and matter. That is the reason we describe God as spaceless, timeless and immaterial. However, one element is missing here: energy. God would be prior to the existence of energy also.

God, being prior to space, time, matter and energy, would be neither space, nor time, nor matter, nor energy, but something beyond them. That is, God is outside space, time, matter and energy.

If it is now true that energy can neither be created nor destroyed, then it would be true for God as well. This is because God being the law-giver we should not expect that God would break his own laws very frequently. So God would have to manage the entire creation event with zero energy.

However, if the universe is not created, then there is no reason as to why the universe as a whole cannot have total non-zero energy value. As some atheistic scientists claim that quantum laws were always there, so in a similar manner some sort of energy might have been always there. Universe would begin its life with that energy and it would also contain that much of energy as a whole.

So, if the universe is created, then there would be at least one constraint due to which the universe can never have any energy, this constraint being God. In the other case there would be no such constraint and so the universe can freely have total non-zero energy.

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Here my questions are two:

- 1) If quantum laws could have been always there, then why not energy?
- 2) So, what are the compelling factors due to which even an uncreated universe cannot have total non-zero energy?

Actually, we can think of two different situations regarding the beginning of the universe:

Situation 1: There would be no energy before the beginning. This would be the case if the universe is created by God. Here the universe would start from zero energy and therefore it makes sense that the total energy of the universe would always remain zero, because energy can neither be created nor destroyed.

Situation 2: There would be energy before the beginning. This would be the case if the universe originated from a singularity. Here the universe would start from non-zero energy (energy contained in singularity) and therefore it does not make any sense that the total energy of the universe would remain zero in this case also.