Consciousness-Relational Quantum Mechanics

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Abstract

I advocate the new interpretation of quantum mechanics: Consciousness-Relational quantum mechanics (C-RQM).

Key words: interpretation, quantum consciousness, quantum mind, quantum mechanics, Relational Quantum Mechanics, RQM

Introduction

There are some quantum mechanical approaches to mind and consciousness.

The theory advocated by Roger Penrose and Stuart Hameroff is especially famous.

In my case, I started to consider about consciousness considering RQM.

Body

Relational quantum mechanics (RQM) is an interpretation of quantum mechanics which treats the state of a quantum system as being observer-dependent, that is, the state is the relation between the observer and the system. This interpretation was first delineated by Carlo Rovelli.

RQM supporters regard the observer's consciousness as part of the world like any other, and they do not regard an observer's consciousness as preferred basis.

So, an observer's consciousnesses should be many.

However, it is obvious that your consciousness is only one for yourself.

You can clear this problem simply*, assuming that consciousness is more than a "physical phenomenon" that arises from neurons in the brain, it is "something that cannot yet be explained in the existing scientific framework".

*You maybe know "Occam's razor"- "If there are two hypothesis that explain the data equally well choose the simpler." -Carl Sagan-.

This is a new interpretation of quantum mechanics developed, solving the problems of RQM. I name it "Consciousness-Relational quantum mechanics (C-RQM)".

Discussion

This also can provide suggestions for following topics and so on:
Why mathematicians can understand that propositions are true
Problems of computer science about artificial intelligent
Bias in random number generation at Global Consciousness Project

References

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