

# **No Need for Time, and No Need for Dark Energy or Dark Matter to Explain Our Accelerating, Expanding Universe**

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I have written on this platform about being able to describe our accelerating expanding universe without needing time as a concept and just relying upon the concept of space in its four states of motion, stationary, full, and empty. I want to take this thinking another step further in eliminating two other concepts which appear to be placeholders in our explanation of the universe and that is to eliminate dark energy and dark matter. These two concepts have been introduced to explain not only an expanding universe but the fact that it is doing it at an accelerating rate.

What I want to replace dark energy and dark matter with is another aspect of space in motion which is spin occurring around a black hole. This spinning is the reason for the acceleration in the expansion of the universe. Remember, black holes are where space becomes stationary both filled as well as empty space. The universe is constantly expanding and as it does the black hole(s) impact on the rest of empty space is to increase its expansion via this spin phenomenon. No need for dark energy or mass to explain it, everything can still be explained within the four states of space.

Black holes are unique in that they are like anchors to the universe where filled and empty space become stationary, but all the rest of empty space is accelerating in its expansion, and it continues to accelerate as the number of black holes increases through this spin phenomenon. Gravity becomes all-encompassing in a black hole and is the dominant force where space collapses upon itself and filled space and empty space are in-distinguishable one from the other. They become one, a singularity.

The Theory of Four States of Space is a simple description which eliminates contrived concepts in an explanation of the universe. It would be interesting to rework the physical laws through this lens of the four states of space. I am thinking the explanations, and the math would be more straightforward and there would be less need for cosmic constants.