

Why the universe is expanding; Dark energy exposed? Is gravity a consequence?

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I. ABSTRACT

We present and introduce a very interesting theory for why galaxies are moving away from each other.

II. KEYWORDS

universe, expansion, dark, energy, gravity

III. INTRODUCTION

Astronomers suggest that a mysterious dark energy is causing the universe the expand like the surface of a inflating balloon. If you believe that dark energy exists, then after reading our article, you might conclude that this dark energy is nothing more than the energy carried by a photon.

IV. ONTOLOGY

Imagine your self using a water jet-pack, to fly above water. Your jet-pack is using water to push you away from Earth, but the Earth is also pushed away from you only by a very negligible amount, because of it's mass. Now replace the water with light. If you don't believe that light can be used to push away objects, then consider a light-sail. Light-sails use the light cast by the Sun, to gain momentum. Solar-sails have been successfully tested, and the first one is IKAROS. The solar-sail does not stop gaining momentum because, in space, there is nothing to stop it's inertia, so it gains more momentum, as more photons are hitting the soolar-sail.

But universe is not dark. Night is not the natural state of the universe. The universe is very very bright. Visible light is not the

only light. We only call it "visible" because it can be seen by the human eye. Visible light makes up about only 0.0035% of the entire electromagnetic spectrum. The Sun is not the only star casting light, and everything is a solar-sail, and that is why it appears that the universe is expanding, because each star and galaxy, is pushing everything away like an omni-directional water jet-pack.

V. DISCUSSIONS

If our theory is correct, then maybe this suggests that the universe is not expanding like the surface of a balloon, and that it is probably finite. If the case, then critics probably have grounds to say that our theory is false, because of time dilation and galaxies traveling faster than the speed of light. However, what if the laws of the universe change such that my theory is correct? What if the speed of light is always increasing? What if other laws also change? Or what if the universe does expand like the surface of a balloon when light-speed traveling photons suddenly stop and die or convert into something else? Keep count that the universe is not as dark as it appears to be.

The author wants to make a second theory that gravity is a consequence of his main theory, but this second theory does not make any sense for him, even if he assumes that the main theory is correct.

VI. RESULTS

We presented and introduced a very interesting theory for why galaxies are moving away from each other.