

DUT FAQ: Frequently Asked Questions about the "Decreasing Universe Theory" (DUT)

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1- Does the DUT require the "Jocaxian Nothingness" (JN)?

A: Not necessarily. The DUT and the JN are independent theories.

However, for historical reasons, the DUT emerged, as a theory (and as a physical reality as well), from the JN. That is, the DUT was imagined from a study of the consequences of the JN.

And although it is a theory independent of the JN, we can say that the DUT itself (its contraction premises) its physical reality, is explained as having originated through the JN.

So we can say that the DUT encompasses the JN as a theoretical framework of this view of the Universe.

The DUT states that the initial origin of the universe (or multiverse) would be the JN.

2- Does the DUT deny the BIG-BANG?

A: The DUT does not deny the possible existence of the Big Bang. But it denies the Big Bang as being the origin of the Universe. The true Origin of the Universe would be the "Jocaxian Nothingness" which COULD, later, cause the Big Bang as a consequence of its "schizo-creations".

3- How would we reach our current Universe starting from the JN?

A: The JN generated an infinity of laws and physical elements until these laws and elements stopped(?) being produced. Currently we have a certain dynamic equilibrium with a certain temporal stability. However, from the first "schizo-creations" until we have the physical laws and the current state of the universe with stars, galaxies and planets, it is an area that is open. How this evolution took place is still an unknown. It may have been through a Big Bang or not.

4- According to the DUT, is the Universe expanding, static, or shrinking?

A: What the DUT states is that the universe is NOT expanding *acceleratedly*.

However, despite the gravitational field continuously contracting, and very slowly, in everything in which it is present, this does not mean that the universe cannot be expanding: It may be expanding.

With this new theory, the millions of measurements will gain new interpretations and we will be able to know whether the Universe is expanding or not.

5- According to the DUT, does the gravitational field shrink space?

A: As the gravitational field shrinks EVERYTHING that is in the space it encompasses, then, it is AS IF space itself were contracting together. However, unlike the current model (Λ CDM) which in a way rehabilitated the ETHER where space stretches and pushes galaxies etc... In the DUT, space can take its old form of a vacuum that does not change and thus, in this sense, in reality space is not altered by the gravitational field, only the physical elements contained in it.

That is: In the DUT, it is assumed that the gravitational effect acts directly on the physical scales of material systems. In this interpretation, it is not necessary to postulate that space itself contracts.

Even because it would not make much sense since if space itself were shrunk, another space would have to be created to fill the space that was shrunk. Therefore, this hypothesis of the shrinking of space itself is unnecessary.

But people are so used to thinking of space as being an ether that stretches and shrinks that it would cause a lot of stress to argue about this.

6- Does the DUT destroy General Relativity Theory (GR)?

A: If the DUT is confirmed, the geometric interpretation of gravity in General Relativity may need to be expanded or modified to incorporate a continuous contraction of physical scales.

This is because, if the DUT is true, it places a condition that is not, or was not, predicted by GR: The continuous contraction of "space" by the gravitational field. That is, at a minimum, GR would be incomplete and would need to be revised. This opens space for a more complete set of equations to be built.

7- With the size of the atom and other particles shrunk, how would Quantum Mechanics (QM) be? Would there not be some incompatibility of this contraction with QM?

A: The answer is that even according to the Theory of Relativity, in a reference frame that is accelerating, atoms also contract in the direction of motion and, to my knowledge, no one has ever questioned this. Or in another way:

The existence of a global scale change observed externally is not, in itself, incompatible with quantum mechanics. Relativity already provides an example in which an observer attributes different dimensions to a complete physical system, without this requiring modification of the local quantum equations. Therefore, an objection to the DUT based solely on the existence of a scale contraction is not sufficient.

References

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