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Theory of divergence

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The universe expansion is a long-established fact. The coalescence of particles' physics and large-scale structure shows that the universe must have undergone a period of extremely rapid expansion.

In this article, we try to make a comprehensive and relatively complete study of the nature of the expansion of the universe, and the dark energy that underlying the theory of divergence of the universe, as well as why the universe has positive accelerated expansion and also what is the role and impact of the dark energy called the divergent energy on this phenomenon by the author.

In this article, I present a comprehensive scientific solution of dark energy and declare that the theory of divergence explains most of the problems of accelerated expansion of the universe correctly.

The theory of divergence is a scientific theory based on the principles of thermodynamics that, by the rules of thermodynamics, describe the dark energy that I call the divergence energy. Divergence theory describes mathematics' most important functional principles of divergence energy in the universe. The most important of these concepts are:

1-The divergent force between two objects that move away from each other (caused by dark energy):

$$F_d = \Delta t^{-1} [\, m_1 (Hr_1 - v_0) + m_2 (Hr_2 - v_0') \,]$$

2- The changes of divergence force between the two objects based on time (due to changes in their distance from each other): $\Delta F / \Delta t = \Delta t^{-2} H [\, m_1 (\Delta r_1) + m_2 (\Delta r_2) \,]$

3- Divergent Energy (Dark Energy) Available in Every Area of the Universe: $E_d = \sum W_m$

This is the first time in the history of science that a scientific theory can present the most important Mathematical equations of dark energy.

After reading this article, readers will be able to understand how dark energy works in universe and more importantly, get the equations that represent dark energy action.

Biography

Syed Yasin Hoseini is an Iranian researcher active in the Theoretical Physics and Mathematics Research Center in Tehran. He has presented more than ten scientific articles on theoretical cosmology and mathematics at numerous centers and international conferences. He has also written many scientific books on accelerating cosmic expansion and statistical thermodynamics. He also invented Iran's first non-polluting engine called Turboatilics. He also invented the first National Alcohol Engine and gravitational potentiometer in years 2017-2019.

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