

Dark Energy experiment challenges Einstein's theory of Universe

Post by “Kalosyni” of March 20, 2025 at 1:56 PM

Quote

The mysterious force called Dark Energy, which drives the expansion of the Universe, might be changing in a way that challenges our current understanding of time and space, scientists have found.

Some of them believe that they may be on the verge of one of the biggest discoveries in astronomy for a generation - one that could force a fundamental rethink.

This early-stage finding is at odds with the current theory which was developed in part by Albert Einstein.

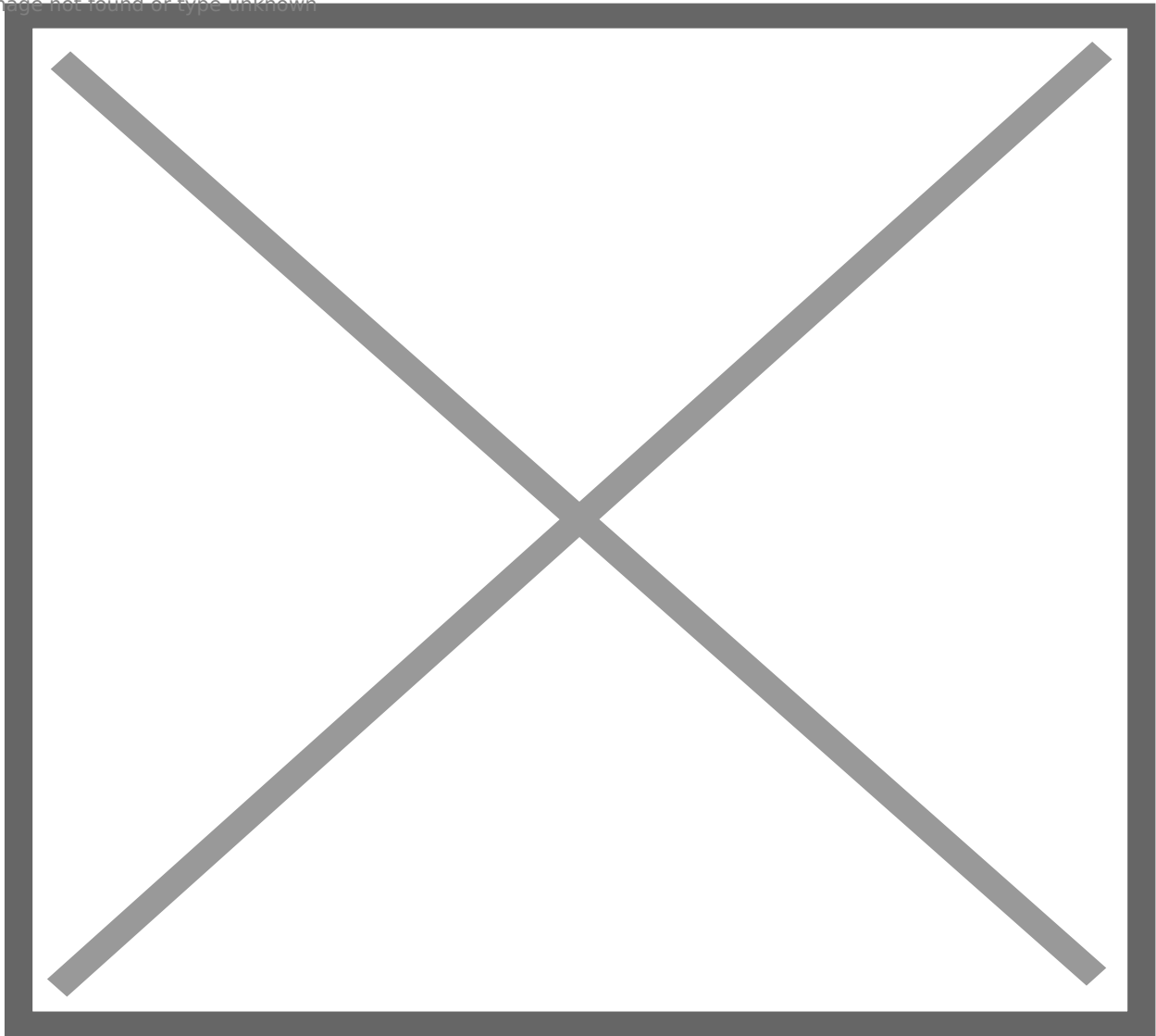
More data is needed to confirm these results, but even some of the most cautious and respected researchers involved in the study, such as Prof Ofer Lahav, from University College London, are being swept up by the mounting evidence.

"It is a dramatic moment," he told BBC News.

"We may be witnessing a paradigm shift in our understanding of the Universe."

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New research could force a fundamental rethink of the nature of space and time.

www.bbc.com

Post by “kochiekoch” of March 20, 2025 at 7:54 PM

The news is dark energy is weakening. Eventually, it may be that the universe will collapse on itself. Something it may have done an infinite number of times in the past. Eternal expansion and contraction.

<https://www.npr.org/2025/03/20/nx-s1-5333843/dark-energy-weakening-universe-collapse-desi>

Post by “Matteng” of March 30, 2025 at 2:58 AM

Would that fit in Epicurean Cosmology ?

Big bang and big bounce / crunch was more the Stoic view or ?

And that the void is not complete empty but has energy and quantum fluktuation. Otherwise the idea that even void or space consists of a kind of particle or is quantized and not unlimited divisible and that the most of the cosmos is not much beneficial / providential to life fits more to Epicurean worldview.

Also that many cosmoi can exist develop.

Post by “kochiekoch” of March 30, 2025 at 8:47 AM

A quick check via AI says that the oscillating universe could fit either worldview. The Stoic idea is that the universe runs in cycles, all decided by benevolent providence, ☐☐, and the Epicurean worldview is that the universe is infinite and eternal with no controlling will. Cycles notwithstanding.

All this stuff is hypothetical right now anyway. The science can change fast.