Stephen+
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In the beginning, She said “Let there be life” and there *was* Life .. Besides topology and 3 dimensions, we need certain cosmological attributes that, in the very least, *allow* life. The following line of research is not about parameters and topology; it’s about that first second of time and its consequences.

A balanced curvature/energy scheme not only makes sense, it’s likely ***fundamental*** like causality. So when we postulate the universe began with 50/50 matter and antimatter, it’s probably because that’s the ***only*** way it ***can BE*** in a life-bearing cosmos.

We currently propose the universe contains approximately:
70% dark energy
25% dark matter and
5% ordinary matter.
A balanced curvature/energy scheme implies:
50% matter and
50% antimatter.
How did the universe get so out-of-whack?

In continuation of Dr. Hawking’s work, I propose a very simple culprit: PABHs, primordial antimatter black holes. Their unique characteristics ***define*** the early cosmos and evolution of it. Temporal curvature around them behaves ***opposite*** of matter PBHs: *time* compresses/*speeds-up*, *gravitation repels* (except for antimatter), and generally causes all kinds of havoc on a cosmic scale.

What I will attempt to explain is how:
50% antimatter → 70% dark energy
50% matter → 30% matter
100% 100%
cosmic inflation occurred and
baryon asymmetry happened.

In other words, how did 50% antimatter “turn into” 70% dark energy, matter lose 20% — and — explain inflation and baryon asymmetry? Obviously, “turn into” is in quotes for a ***reason***: in this framework, dark energy ***IS*** antimatter so *all we really have to do is explain the 20% gain* for antimatter / loss for matter.

The answer is in the phrase from another article: ***cosmic vacuum cleaner***. Recall the characteristics of PABHs: they attract antimatter, they repel matter, and they do this ***really fast*** because they speed-up local time. So as they clean-house / clear the universe of baryonic antimatter, they *accelerate expansion* because they’re growing. The 20% matter loss must have been incidental/friendly-fire.

In other words, Murphy’s law strikes again: in the 14 ***BILLION*** years of our universe’s existence, there must have been *direct hits* between PBHs and PABHs. My guess is *because they’re faster, they dominated the mergers* losing matter 20% in the process.

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This article is dedicated to the late Stephen Hawking and my lovely daughter Hope. She’s only 1.5 years old. But I make recordings for her continuously, even now.