A Key to Science: Reflections on the UAT and the Paradigm Shift

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Dear readers, colleagues, professors, researchers, and, above all, **visionaries**.

In all the publications you will find here on Zenodo, you will discover not only solutions but a **key that opens a new perspective to science**.

To be candid, and this is my point of view, some may agree and others may not: I believe the concept of the *visionary* has been completely confused with the concept of the *scientist*. With all due respect, allow me to explain the difference: A scientist can be an excellent scientist and a visionary at the same time (e.g., **Albert Einstein**). Conversely, an individual can be a visionary and not a scientist (e.g., **Nikola Tesla** and **Nikolaus Otto**, creator of the internal combustion engine, the very engine you use to travel in your vehicles daily).

1 The Conflict of Institutional Bias

As an independent researcher, it was impossible for me to get this work into the appropriate hands. Due to the implications of this research, **institutional bias resulted in a resounding NO** without any explanation being offered by peer reviewers. This is where we enter an ethical and personal conflict.

If the **Unified Applied Time (UAT)** framework is correct, it signifies a paradigm shift and the absolute fall of a framework that has been in use for 50 years.

The question, therefore, is what we prioritize first: Do we impose socio-economic interests over science, continuing to apply *ad hoc* patches to solutions, or do we prioritize science over socio-economic interests?

I know that UAT needs corrections and refinements, but I also know that it is built upon sound and necessary foundational pillars.

2 Experience and Analogy

Allow me to share a little about myself: I have had the opportunity to **get my hands dirty with X-rays and other fields**. This taught me the precise power a high-energy X-ray unit needs to penetrate matter without overexposure (a radio-dense image) and without insufficient power (a radio-opaque image).

If we do not understand the nature behind these phenomena on Earth, **how are we going to understand it light-years away**?

3 The Genesis of UAT: Independent Time

Let me explain and recount how UAT was born. As is widely known, humans and houseflies perceive time differently due to *biological* and not *physical* limitations. This led me to ask: If we measure time using our biological perception, **what is the true, independent time of things**, regardless not only of the experiment but also of the perception of the observer and the evaluator of the experiment?

I set out to search for this independent time. Initially, I tried to obtain a different time for a particle—by subtracting the speed of light from the observer's distance—but the results were absurd. I then realized that the problem was not with the time of the studied object, but with the distance. Consequently, I opted for the longest distance in the cosmos, a distance intrinsically linked to causal time. **Thus, UAT was born.**

4 The Methodological Paradox

Throughout the research, I encountered unexpected problems. How could I analyze UAT using ΛCDM if the latter was incomplete, underestimating the vacuum and dark energy? It was like trying to play a compact disc in a cassette player.

The solution involved two critical steps:

1. Analyze **ΛCDM from the perspective of UAT**, and not the reverse.
2. Consistently use the **UAT parameters** in all investigations.

This was by no means easy.

I truly hope that this documentation will be useful to you and I would be grateful if you would take a few minutes to analyze it. Because if we are correct, **the era of *ad hoc* patches is over**. If not, we are destined to continue patching.

With my sincere respect and gratitude for your time,

Miguel Angel Percudani