

Time's Paradigm

A Philosophy of Science approach to our perception of time and existence.

ABSTRACT

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This wide ranging discourse covers many disciplines of science and the human condition in an attempt to fully understand the manifestation of time.

Time's Paradigm is, by and large, a philosophical debate between the theories of 'Presentism' and 'The Block Model', beginning with a pronounced psychological analysis of 'free will' in an environment where the past and the future already exist. It lays the foundation for the argument that time is a cyclical, contained progression, rather than a meandering voyage into infinity, bringing into question the validity of a commensurate 'Big Bang'. Indeed, infinities are abolished in cyclical time. It tackles clock rates and time dilation, acausality and the confusion surrounding a cosmological clock, and asks whether the present moment actually exists. Arguments relating to Quantum Physics theory, including the Uncertainty Principle and a Superposition of States, lend credibility to key areas involving cognitive awareness. It is posited that defined points in time and space prohibit progress in linear models for progression. Thus motile paradoxes can be resolved with the absence of infinities; temporal perception, it is concluded, being the result of uncertainty. Time's Paradigm takes the bold step of asking us to consider a tangible dimension of time, representing a progression intimately connected to our three, known spatial dimensions. Chaos theory is briefly introduced leading to the configuration of a fractal fourth dimension of time whose assumption demands only one direction of flow. Following, it asks whether our universe is expanding or contracting. It considers the simple physics of bodies contracting in a fourth dimension of time, and how that marries comfortably with standard scientific models such as Relativity. The rate at which matter is contracting in the universe is demonstrated in a reduction factor of 1.618... coinciding with Fibonacci's Ratio and countering Time Dilation. Lastly the more complex aspects of relativistic velocities are tackled together with the conundrum of Zero Velocity, the nuisance of a universal clock caused by time dilation and, ultimately, the prospect of superluminal velocities leading to local time discrepancies of no consequence to the wider cosmos.

<https://www.timesparadigm.com>

The entire paper Time's Paradigm can be downloaded from this website in pdf format.

To expand on theories of cosmological cycles, time and a contracting universe, or to contact the Author, please email this address:

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