Are Pyramids of Giza
a 5-Dimensional Clock for Observations
in quantized 5D (L^{3}T^2) spacetime ?

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Question

Following up on the ideas presented in "Search for the World Formula"[1] and "Unified Principles of Nature"[2] as well as in tentative "General Quantum Relativity"[3] we presented a novel combination of mathematics and physics for quantization of the 3 Dimensions of space (L^3) to 5 Dimensions space-time (L^{3}T^2) over 12 Dimensions of relative quantized finite spacetime (L/T) using only physical Dimensions of space and time itself. Based on the findings and the possibility to derive the speed of light from the Diameter of the earth (see in "Search for the World Formula") it is raised the question, if Pyramids were used as "5D-clocks" in ancient Egypt
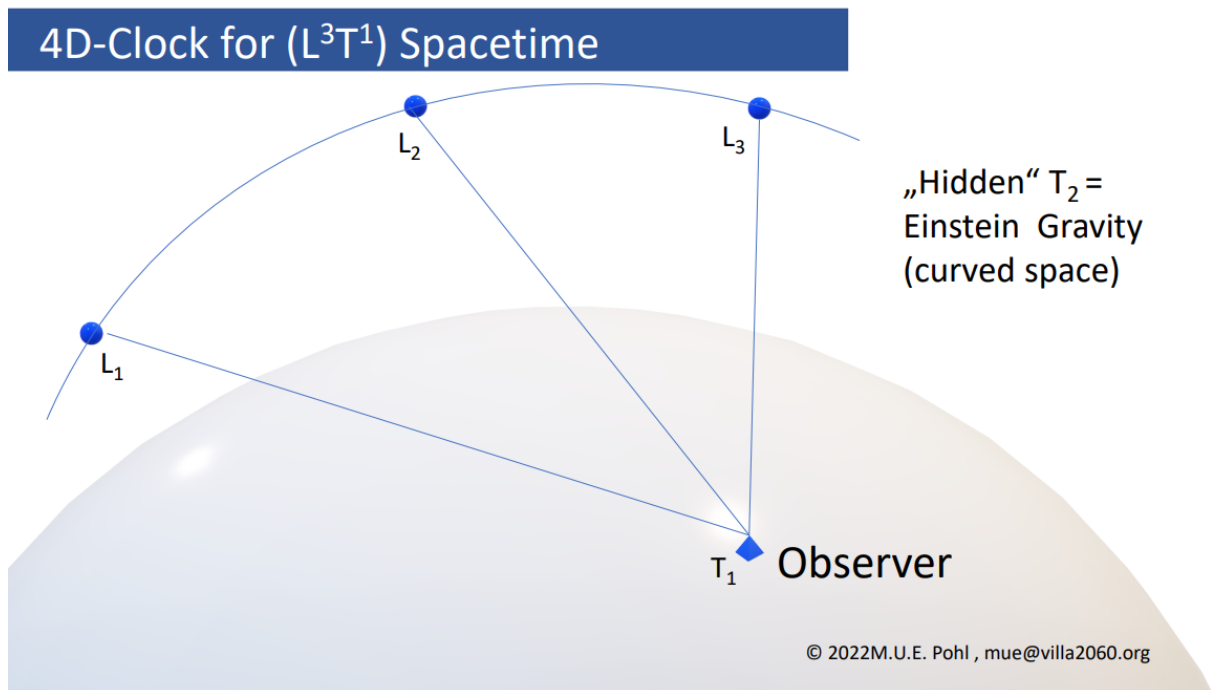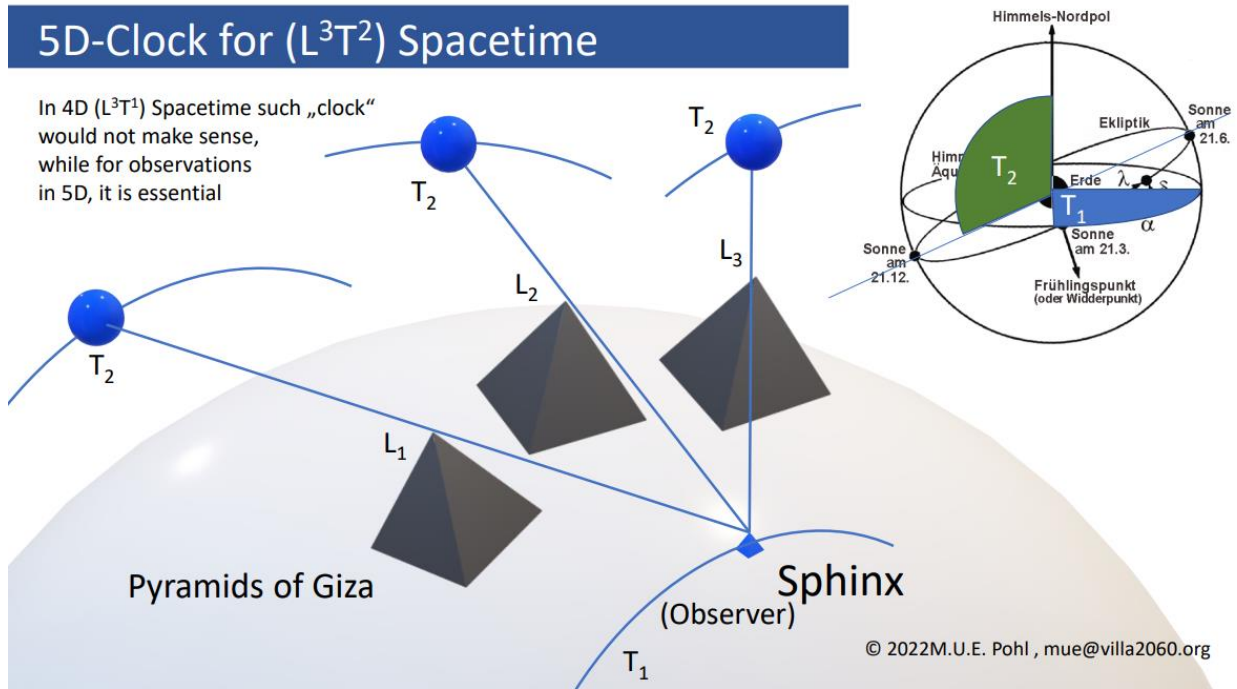
?

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[1] Pohl M.U.E (2022): Search for the World Formula, Scientific God Journal Vol 13 No1,
    https://scigod.com/index.php/sgj/article/view/781 or
[2] Pohl M.U.E (2019): Unified Principles of Nature, Scientific God Journal Vol 10 No3,
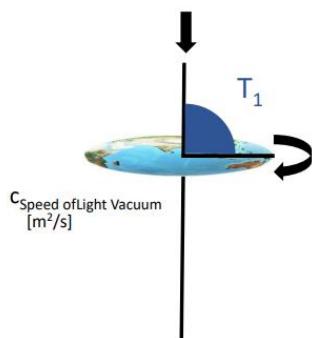   https://scigod.com/index.php/sgj/article/view/669
[3] Pohl, M.U.E. (2022): General Quantum Relativity and Gravity Mediated Entanglement in quantized 5D (L3T2) Spacetime;
    https://www.researchgate.net/publication/365199644_General_Quantum_Relativity_and_Gravity_Mediated_Entanglement_in_quantized_5D_L3T2_Spacetime

As the experimental tests of our findings clearly suggest that Space-Time is 5-Dimensional (L^3T^2) - but without arrow of time - , the question now arises whether the pyramids Sets of "3" were used as a measuring instrument for astronomical observations and interpretations or evaluations of space-time before the beginning of the Abrahamic religions, and whether it is much more interesting to evaluate mutual relationships of constellations in the presence of two-dimensional time than calculate trajectories of one-dimensional time.

5D-Clock for (L^3T^2) Spacetime

In 4D (L^3T^1) Spacetime such „clock" would not make sense, while for observations in 5D, it is essential

Pyramids of Giza

Sphinx
(Observer)

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4D-Clock for (L^3T^1) Spacetime

„Hidden" T_2 =
Einstein Gravity
(curved space)

Observer

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Speed of light in vacuum is function of rotation of planet earth

Einstein
4 D
Gravity
Space
Time
curved

T_1

$c_{Speed\ of Light\ Vacuum}$
$[m^2/s]$

$c_{Speed\ of\ Light\ Vacuum}$

= Diameter of earth² / (2 π · Day of earth)

= (12756274 Meter)² / (2 π · 24 · 60 · 60 Seconds)
= 299746463 Meter²/s (WGS 84 Equator))

Error calculation:

$$\frac{c_{WGS84}}{c_{Codata}} \cdot \frac{radius_{WGS84}}{radius_{Bessel}} = \frac{299746463\frac{m}{s}\,6378137m}{299792458\frac{m}{s}\,6377397m}$$

$$= 3,74 \cdot 10^{-5}\ error$$

The error is near the uncertainty of the gravitational constant G [kg m3/s2] with 2,2 ·10-5. The deviation of 3,74 ·10-5 corresponds to about 238 meters for each opposite tangent of the earth's surface. This very small inaccuracy is easy to explain, since the sea depth at the equator is largely up to 4000 meters and water is less dense than the land masses.

5 D
EM
Space
time

T_2

T_1