

Unified Principles of Nature: Rhind Papyrus Problem No 48 Squaring a circle in 4-D Spacetime

Manfred U. E. Pohl*

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Abstract

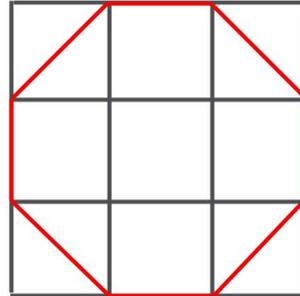
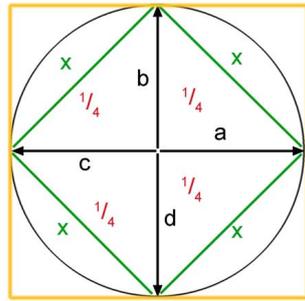
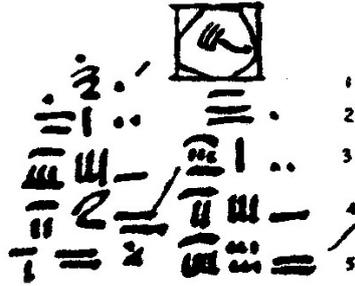
The ToE Framework that unites quantum theory with gravitation „Solution to the Problem of Time“ [1] is based on the Solution of the Black-Hole Information Paradox, namely the squaring of a circle (π) in space-time. It is well known how to “square” a circle over an additional dimension, as shown in „Solution to the Problem of Time“ II +III [2]. In addition to the Essay “It takes a Decision to Decide if Decidability is True or False” [3] (concerning Gödel’s incompleteness and impossibility of Hilbert’s Programm) it is shown here the Solution to the Problem No. 48 in the Rhind-Papyrus.

Keywords: Pi, God, Unified Principle, Gödel’s Incompleteness, Foundation of Mathematics, TOE.

$$\pi / \pi := 1$$

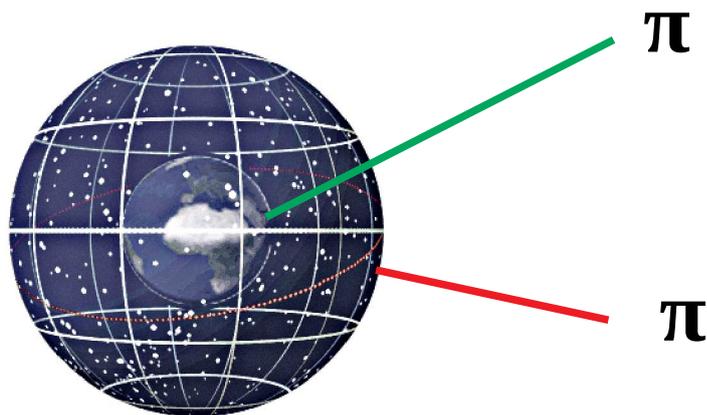
* Correspondence: Manfred U. E. Pohl, Independent Researcher, Germany. Email: contact@manfred-pohl.de

Problem No. 48 :

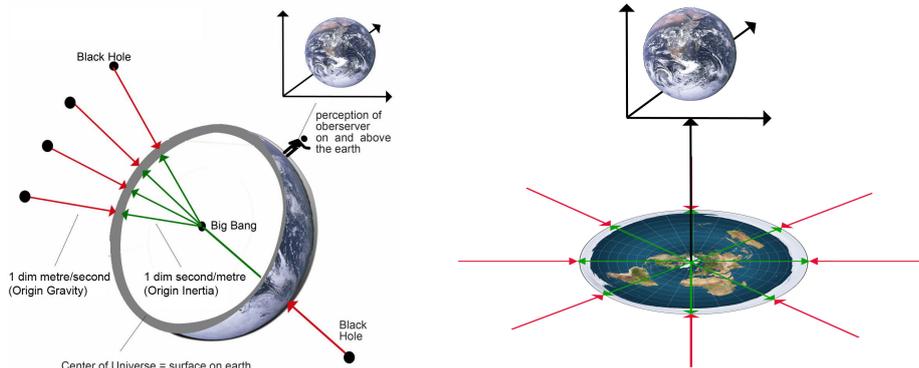


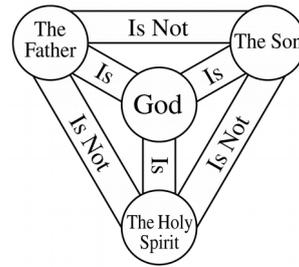
$$\left(\frac{1}{3}\right)^4 \cdot \left(\frac{4}{1}\right)^3 = 64/81 \quad ; \text{with } r=3 : \frac{\frac{4}{3}\pi r^3}{4\pi r^2} = \frac{r}{3} = 1$$

The 3-dim. Volume ($\frac{4}{3} \pi r^3$) of the Sphere Universe is projected onto the 2-dim Surface of the Sphere of Earth. The inner Volume of Earth is therefore mirrored as Inverse of the outer Volume of Earth and united as a 2-dim Force Field on the surface of the earth. As the geometrical projection is discrete, the irrational π is used as rational ratio $\pi / \pi = 1$



$$\pi / \pi := 1$$





Gödel's Incompleteness translated by Adam and Eve aka „What is a nominal definition in terms of Aristotle“:

Adam and Eve were both „Singularities“ of agency, free will and decisionmaking := „ π “ . They were very different to Alice and Bob, because they lived in Paradise, while Alice and Bob are fighting a war in hell about what Alice can understand and what Bob could understand, who is right and who is wrong, who is first and who is second, if they should live on Mars or better on earth, and what is equality and justice... in short.. they pushed their self out of paradise because a snake claimed „ π “ would have a value (3,14..), that should be the EGO, that should be countable and computable.

It all starts when Adam (π) once found two apples. He decided to go believe in the snake and did a nominal definition $\text{apple} := \text{apple} \rightarrow \text{apple} / \text{apple} := 1$. He gave 1 apple to Eve (π). But Eve claimed that the apple of Adam was more sweet and claimed therefore “apple:=apple” (Adams definition and mathematics) is falsified as betray, because she did not agree on “his” “Nominal” definition and her feelings are looking for sweet apple, not this apple Adam gave to her. She claimed Adam did a “egocentered” “Real” Definition on the Number “ $2/1 * 1/2$ ” to invent betray. Adam and Eve then got into war about who is right and wrong about $1+1=2$ to be true or false, real or nominal, real or imaginary, justice or injustice. They turned into Alice and Bob and invented the “lightsaber” to divide the apples (Caesium-Atoms). But one day Adam by research in his mind found a new theory that he could just ask Eve if she would agree on “ $2/1 * 1/2$ ” as a nominal definition of them both (collective) on the subject of the apple. They agreed and made the nominal definition : “apple Eve (π) / apple Adam (π) :=1”. They called this “new mathematics” to be the “Algebra” for Paradise. π was no longer 3,14... or irrational or difficult. Squaring circles to match up at “1” became their new addiction.

Adam and Eve then lived rest of their life in peace, harmony and unity, as people once did in Thebes of Egypt.

On the other hand, real world is still fighting in WW III if Quantum Theory π and General Relativity π are wrong or right and how they could work together when both seem to be irrational in their individual perspective of $\pi = 3.14....$ and none of them seems to be rational but only trying to “count” infinite π into more and more money as the snake once told Adam to do.

Setting Quantum Theory (π) / General Relativity (π) :=1 might solve problems...



Adam and Eve in the earthly paradise , Jan Václav Peter, Johann Wenzeslaus Peter , 1800 AC

References

1. Pohl M U E 2019, Unified Principles of Nature: Solution to the Problem of Time. Scientific GOD Journal Volume 10 Issue 3 :<https://scigod.com/index.php/sgj/issue/view/93>
2. Pohl M U E 2019, Unified Principles of Nature: Solution to the Problem of Time II + III Scientific GOD Journal Volume 11 Issue 1 : (pending)
3. Pohl M U E 2020, It takes a Decision to Decide if Decidability is True or False : Turning a discarded (“Descartes”) Coordinate-System into a new (“Newton”) Coordinate-System : EXQi Essay Contest : <https://fqxi.org/community/forum/topic/3367>