



THE 1st MATHEMATICIAN

The universe can be regarded as pure mathematics. Philosophers like Pythagoras or Plato as well as modern physicists like Roger Penrose or Max Tegmark, for instance, dwell and work on this platonic notion.

The physicist Hans-Peter Dürr points into the direction of understanding the heart of quantum mechanics, Heisenberg’s uncertainty principle, as a basic code for vitality or life. From the uncertainty principle it is derived that there is no standstill, nothing is ever perfectly at rest.

The cyclic element, or context as the essence of a code, can be found throughout the history of mankind as a basic, systematic premise—be it in ancient mythologies as the sign of zodiac or the timeless Uroboros, in philosophies as, for instance, depicted in the Yin-Yang symbol or the 5-Element theory, or in modern systems theory in the form of a cybernetic feedback loop. Simplicity comes to the fore.

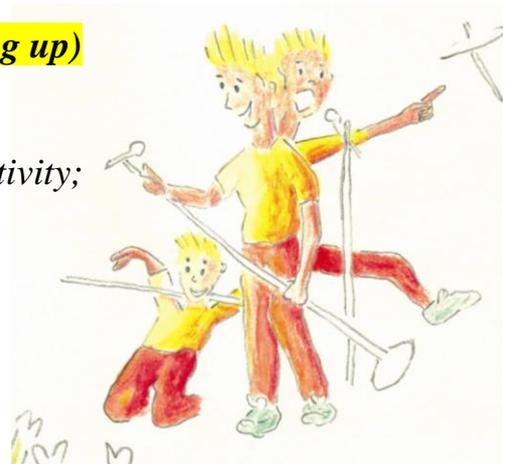
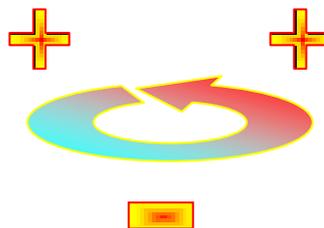
The simplest, mathematical and cyclic code for describing vitality or activity is *PLUS*, as Plus is dual: *Plus* means both *MORE* and *ADDING UP* at the same time. Plus includes a timeless, certain uncertainty.

More (plus) is a decrease in unity, as unity has to be broken to show *more*. This is less unity, and less is a *Minus*.

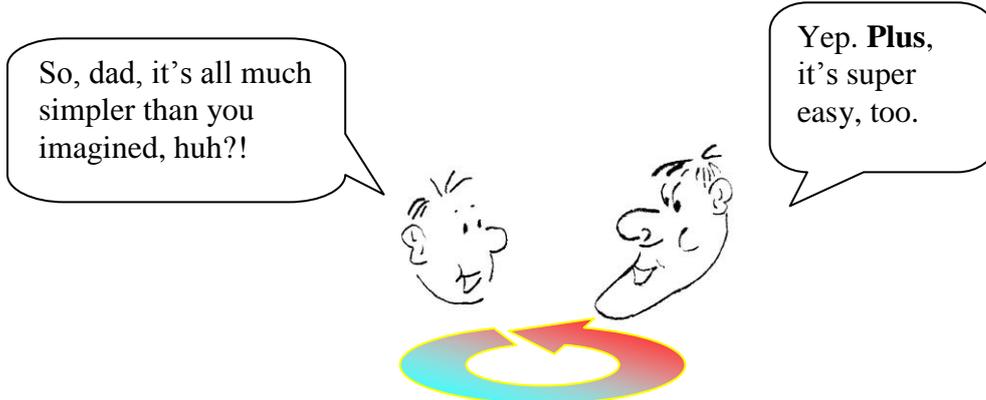
But as *More* (*minus*) will always be *added up*, and as *Minus* (*more*) equals *Plus*—as does *Adding Up*—a cyclic, timeless and forward heading code can be described as all is *Plus*:

PLUS=MINUS(more)=PLUS(adding up)

This is the 1st MATHEMATICIAN: eternal *Plus*, *activity*; *pretty much like a super energetic, eternal rock star*.



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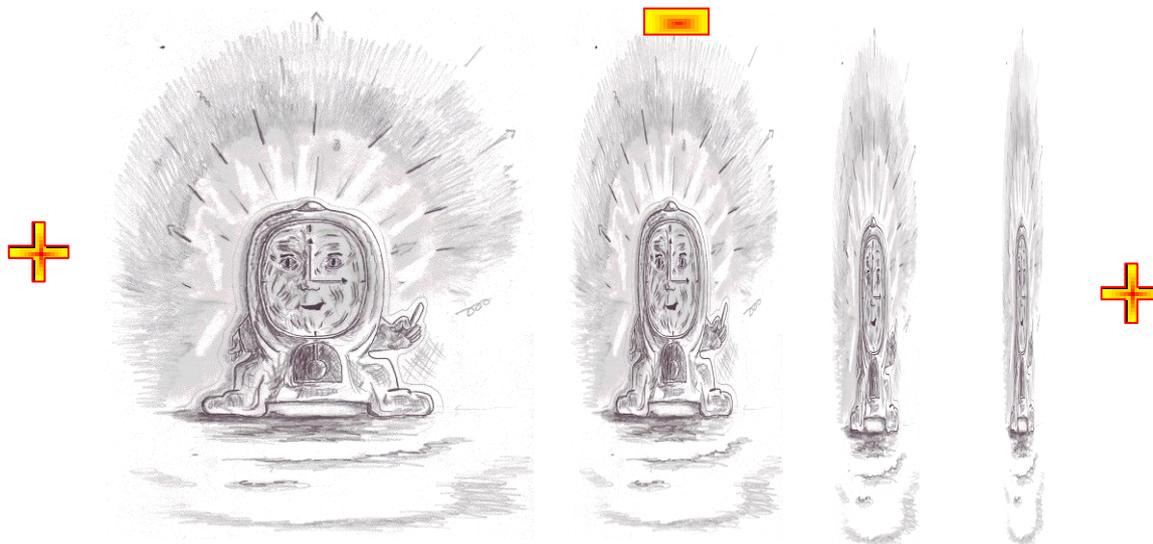


THE 1st MATHEMATICIAN MEETS ALBERT EINSTEIN:

1. Einstein showed: fast moving objects get shortened in the direction that they are moving in: Energy (Plus) causes expansion (minus) that gets added up (Plus) in its forward direction:

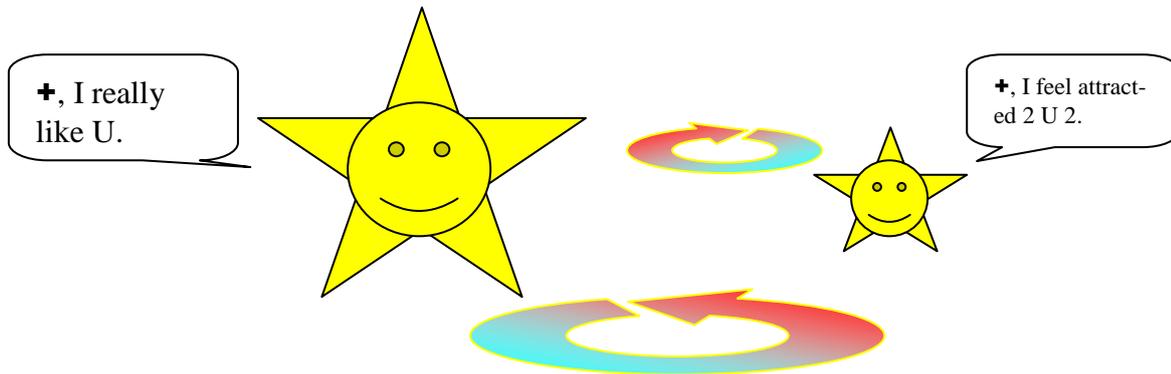


2. Fast moving clocks tick slower: Energy (Plus) causes expansion or dilation (minus) that gets added up (Plus) or becomes more uniform, more united, less divided: closer to timelessness in its forward movement.

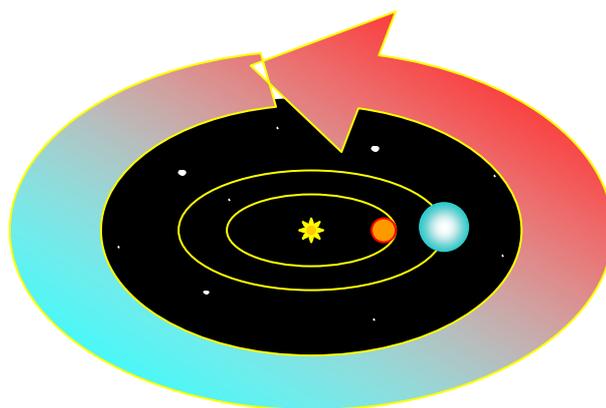


As Plus is everywhere, everyone can claim that he is the observer (Plus).

3. Matter (Plus, added up energy, concentrated energy) causes expansion (minus) back on itself (as all is cyclic), and that equals adding up. Space gets curved, and matter adds up more matter: Gravity.

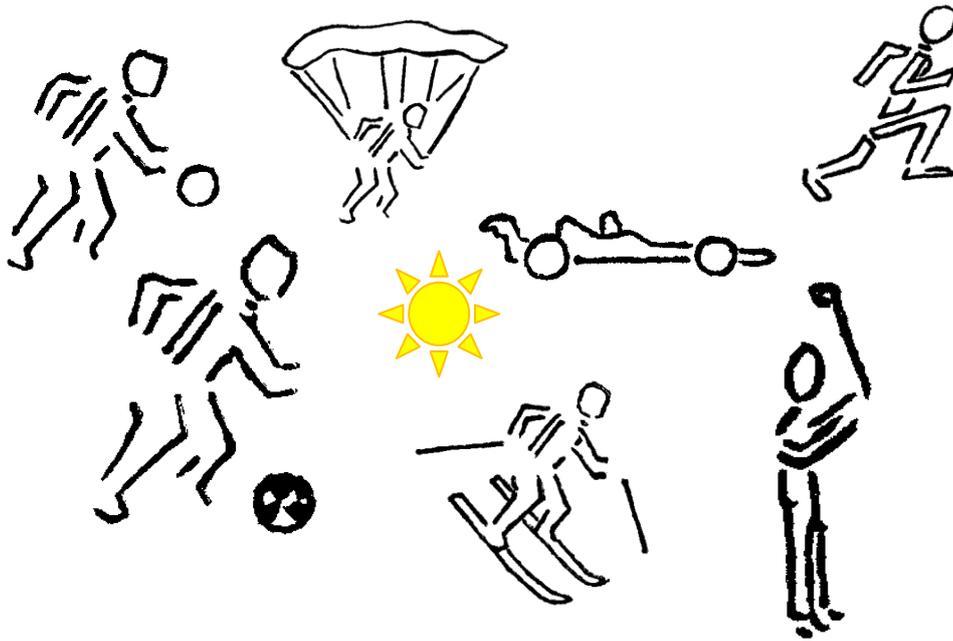


Two stars twittering each others' gravitational forces. But since Plus always comes with a minus (expansion), it can either happen, that if the two stars (or planets, or asteroids) meet (ad up), an explosion (expansion) will occur, or the smaller planet, for instance, will circle around the huge star (Plus) due to its own velocity (minus, expansion) and create an orbit around the star much like the earth around the sun...



THE 1st MATHEMATICIAN ALSO MEETS MODERN PHYSICISTS:

4. From Einstein's equations we know, that energy (Plus) can manifest itself in many different ways, like: warmth, radiation, mass, kinetic energy, potential energy, chemical energy, etc. Plus has a *more-aspect* as we know. It is like in the area of sports, where the **energy** for doing sport can be manifested in **many different ways**:



So, on the quantum level, physicists showed that a small particle (Plus), like an electron, can be at different places at the same time. In a more unified, more timeless realm, the *more-aspect* of Plus shows itself as probability, or the different likely locations a particle can be in simultaneously. It is much like an athlete that potentially could perform all kinds of activities at the same time. But since Plus is dual, consisting of *more* and *adding up*, small particles (Plus) can behave either as a wave (that is in many places at the same time and shows *more*), or they can be more like concentrated objects (showing the added up aspect).



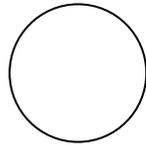
The particle as a wave: showing *more* places where it might probably be. The particle is most likely to be found at the highest peak (*more is concentrated*).



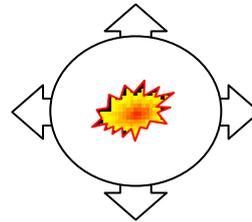
A concentrated (*added up*) manifestation of the particle.

So, the particle can choose between being more like a wave or more like a concentrated particle, which, for instance, hinges on how much pressure there is. Thus, if an observer closely watches a particle in an experiment, it opts for the added up version of itself. Yet, if the particle is left alone in an experiment, it behaves more like a wave. However, in the course of the evolution of the entire universe, particles join to become concrete matter, as *more* always *adds up* over time.

5. One such manifestation of $Plus=Minus=Plus$ is symmetry or the constancy of the speed of light as nothing can be subtracted (minus) or added (Plus) to it. But, since there is always *more*, symmetry or unity will always get broken up, since all must be moving forward, too, according to $Plus=Minus=Plus$.



Symmetry depicts unity (*added up Plus*); like at the beginning of the universe, when all was one.



More (expansion, separation) has to show itself as the second aspect of Plus: a universe (energy) emerges from empty space (unity).

6. Space shows three visible, equally important dimensions or aspects (*Plus, Minus, Plus*), and time—being interwoven with space—is the fourth dimension, the cyclically forward moving aspect $Plus=Minus=Plus$ imbedded in the eternal Plus. So the past, the present and the future are one. Due to the *more-aspect* of Plus, some physicists argue that there are much *more* dimensions, only that we cannot see them as they are curled up very tightly—or one could say: they are added up, since *more* gets *added up*.
7. So, since all is PLUS and, therefore, timeless, the code for action $Plus=Minus=Plus$ that is inherent to Plus, will occur on a never ending basis. That's how one can understand, why physicists argue that there very likely exists a multiverse with new universes constantly popping up. And since all came from nothing (eternal Plus) and is cyclic, some physicists say that the universe will empty out faster and faster (*more and more*), and once it is

completely empty, a new universe will start. *More and more* will become *added up* (completely), and that will cause Plus to become *more* again: a new universe.



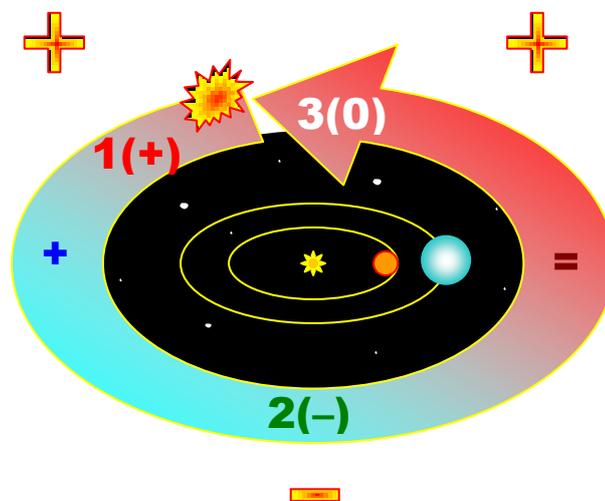
We hope you enjoyed the short journey through the Plus-universe with the 1st Mathematician. A lot more, of course, could be said based on the eternal premise PLUS. It is also a lot of fun to explore all processes based on Plus, like the evolution of life, cooking, economics, management, film plots, etc., but that is a subject matter for another meeting with the 1st Mathematician.

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... truth always turns out to be simpler than you thought ...

Richard Feynman
(The Character of Physical Law, 1992, p.171)