



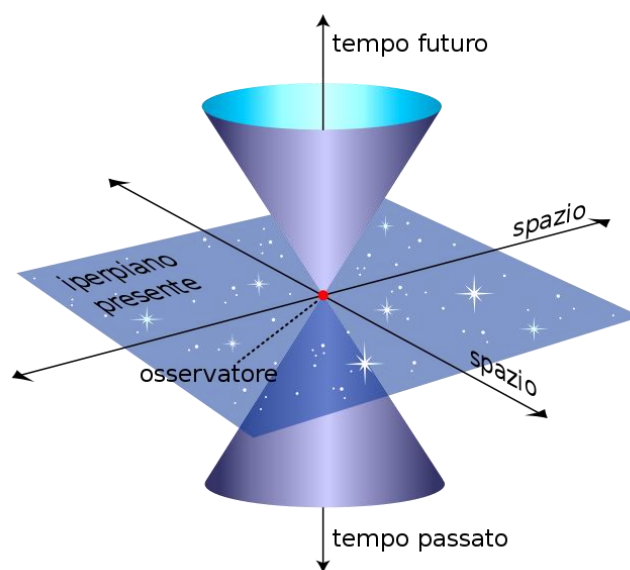
Portrait of cabalist Leon when he preached in the Libyan desert

The basic building blocks of mathematics.

"Einstein once asked the following question:" What choice did God have in the creation of the Universe? "

The Kabbalist had replied to Einstein: "None, because for your mathematic teacher Minkowski, God had to start from scratch!"

In fact, the Minkowski diagram had answered Einstein's question.



That red dot at the beginning of the light cone of the future Universe was the *zero* that contained everything, including the prime numbers that made up the structure of mathematics.

The problem was:

Given that the prime numbers form the backbone of mathematics, according to the opinion of the mathematicians, 1 and 0 do not belong to the prime numbers. Why?

Here's what the Fundamental Theorem of Mathematics says:

Each natural number greater than 1 is either a prime number or is a number expressed in a unique way as a product of prime numbers.

And here are the prime numbers according to the mathematicians:

2, 3, 5, 7, 11, 13, 17, ∞

In this theorem the number 1 is excluded and 0 is not even named, yet it is a number. Why?

Was it possible that God, who had created everything including the natural numbers to be able to count them, was wrong? After all, God had started from scratch to create the world, so he knew very well what the zero was. Zero was a number, from which we all have to start to create anything.

Confident in the justice and divine impartiality of God, the cabalist Leon had begun to think. Was it possible that God had left holes in the symmetry of the Universe, excluding 0 and 1 from the infinite numbers that were all either prime numbers, or natural numbers built with prime numbers. The perfect symmetry of creation, which relied on prime numbers, was incomplete? Is it possible that God had left a hole in the symmetry?

Leon was reasoning as follows: "My knowledge of reality is very primitive, similar to the knowledge of a primitive Zulu, a Bushman, who did not go to College. Yet today, after the great rain of yesterday is a good day in my corner of Sicily (the same corner where Archimedes lived) and opening the window I see "the skies are blue" and a tear comes to my eyes thinking of Louis Armstrong and his *wonderful world*. If I remove the sky, the air, and the light I look at the "container" behind reality, and I

know it consists of something, and then I look at the "great beyond", and I think of Leonard Cohen. What is the "container", and what is it made of? The proverb says "E nihilo, nihil". It cannot be made of Nihilo, so it must be made of something. I ask for help Spinoza and David Bohm and intuitively I think that that something is continuous, because it fills the whole container without leaving empty spaces. The smallest part of that something is my physical zero, consisting of "nothing" except for its existence. The physical zero is a point without dimensions of the space-time endowed with existence. And that's my "logon", on which I built my math ... "

Here is the question of the cabalist Leon, to whom he had finally given an answer. God was not mistaken, it was Man who had not understood that the numbers that God had used to build the Universe (or the Universes, because there were perhaps others, besides our Universe), were holy numbers, divine numbers, but always numbers: 0, 1 and *infinite* were the bricks with which God had built the Worlds! And zero was something, because it existed!

Take an inhabitant of a distant star, like Proxima Centauri, even for him the numbers were numbers, and to each object or set of numbers for him too he had to assign a number to be able to count it, and even for him the zero was necessary to define the operation:

$N - N = 0$ (where N is any number)

Even for that extra-galactic individual, the Fundamental Theorem of mathematics was the same!

There was no escape. The numbers were an absolute truth, a divine truth, valid for all the Worlds. And the creation started from zero, there was no doubt, because before creation the Worlds were not there.

So Leon had started thinking starting from the equation of Brahmagupta: $1 / \infty = 0$ (equation 1) and had shown that 0 was a prime number, because it was divisible only by itself and by 1, and there were no two smaller prime numbers that multiplied with each other gave 0.

Then, not yet happy with that result, he had shown that for the equation 2, which was obtained by permuting the numbers of equation 1, one was not a prime number, but the result of the product of infinite zeros, all prime numbers:

$\infty \times 0 = 1$ (equation 2)

Based on this last equation he had shown that the series of prime numbers had to start from zero and did not include 1 and had to be modified like this:

0, 2, 3, 5, 7, 11, 13, 17, ∞

This settled all the natural numbers that for the mathematician Leopold Kronecker were the only numbers created directly by God, while the Rational numbers, the satanic Irrational numbers, and the Imaginary numbers were all inventions of man. But then those strange numbers were not included in the divine law? Was not God the Creator of everything, including Man who was responsible for those numbers? Leon went to work to find the solution, because he could not bear the fact that God had created an incomplete symmetry that did not include Rational numbers, Irrational numbers and Imaginary numbers. After a few days of intense work, the solution finally arrived.

Solution

There was another fundamental law of mathematics:

“each number divided by itself is equal to 1.” And this applies to all numbers, even to the satanic Irrational numbers, even to π . In fact $\pi / \pi = 1$, without all the infinite decimals. It was enough then to divide all those numbers by themselves and turn them into 1, which is the result of the product of infinite zeros, all prime numbers. And it turned out that even those strange numbers, with a little extra operation, obeyed God's law.

Nothing escaped the Divine Law!