KGS Onon Theory – A New Way to Think Division by Zero

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Abstract:
In normal maths, division by zero is not allowed and gives undefined. But in my theory, I introduced a new symbol called Omega (Onon), where I define 0 × Onon = 1. So from this I say, Onon = 1 ÷ 0. This theory is not replacing standard maths but giving a new way to think about something from nothing. It can be useful in black hole and Big Bang where 1 ÷ 0 like things comes in equations. I also give some new rules and examples how to use Onon in symbolic way. This theory may help in creating new algebra or logic system for extreme conditions in physics.

Symbol Defined:
Omega, which I call it as Onon

Main Statement:
0 × Onon = 1
So I defined: Onon = 1 / 0

This theory is not to replace normal maths. But I just made it to explore something new, something that can work in some special situation where normal maths fails. Like when dividing by zero.

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1. Axioms of Onon Theory

1. Onon Exists:
There is something called Omega (Onon) which is in a special set, not in normal real numbers, and it satisfies 0 × Onon = 1.

2. Definition:
By this, I say Onon = 1 ÷ 0.

3. Only Valid Case:
0 × Onon = 1 is true only when we multiply with Onon. Not with anything else.

4. Onon Not Same as Infinity:
Even though infinity and Onon both looks like comes from 1 ÷ 0, Onon is not infinity. Infinity don't have this special property.

5. 0 Has Partial Inverse:
Only in this case: 0^{-1} = Onon
That's only true when 0 × Onon = 1

6. Multiplying Rule:
For any number x (except Onon),
0 × x =
- 1 → only when x = Onon
- 0 → for all other x

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2. Why I Made This (Philosophical Side)

In normal maths, zero times anything is always zero.
But here I show, under special case, zero can give something! This is like when i (√–1) was invented. People thought negative square root is impossible, but now it became normal.

So, Onon is also something new, strange but useful.

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3. Where We Can Use This

In black holes, where density becomes infinite (because volume become zero)

In Big Bang, where everything started from nothing

In computer maths or new logic systems

To think symbolically how something come from nothing

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4. Important Idea: Black Hole Example

We know:
Density = Mass ÷ Volume
But black hole has volume = 0 → so density become infinite.
That means:

1 / Density = 0
⇒ 1 / 0 = Ω

So we can write:
Ω = 1 ÷ 0

Which matches with the Onon definition.

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5. Big Bang Thought – Onon Bang Identity

Big Bang means everything came from a single point. No space, no time. Just 0

ONON THEORY :

🧠 Omega (Onon) Theory – Core Concepts:

🔢 Fundamental Rules of Omega Arithmetic:

1. Omega = 1 / 0

2. 0 × Omega = 1

3. aOmega + bOmega = (a + b)Omega

4. Omega^n = Omega (for n > 0)

5. Omega^0 = 1

6. Omega^(-n) = 0 (for n > 0)

7. Omega + x = Omega (for any real x)

8. Omega − x = Omega

9. a × Omega = aOmega

🕳️ Onon Density of Black Holes:

Density = mass/volume

So, Density = n / 0 = n × Omega

Then, 1 / Density = 0 / n = 0

➡️ Reciprocal of black hole density = 0
➡️ Matches infinite density concept in physics

💥 Onon Bang Identity:

0 multiplied by Omega = 1

0 = Nothing

Omega = Infinite potential

1 = Start of universe (first moment of creation)

This is the Onon Bang identity .

Relating Onon to General Relativity (GR)

General Relativity says that massive objects like stars and planets bend space and time. But when the mass gets too much in a very small space—like inside a black hole—our normal math breaks. It gives infinity or 1 divided by 0, which has no proper value.

That’s where Onon comes in.

In Onon Theory, I say:

> 1 / 0 = Ω (Onon)
and
0 × Ω = 1

So, when GR gives equations with division by zero near black holes or at the Big Bang, we can use Onon to symbolically represent it. Instead of saying “infinity” or “undefined,” we say Ω.

It means:

Black Hole → Density becomes infinite → Use Ω

Big Bang → Everything from nothing → Use 0 × Ω = 1

So, Onon Theory is like a bridge between physics and symbolic math where General Relativity cannot go further.

This is the KGS ONON THEORY.