ABC Conjecture and My Latest Definition

March 14, 2022 Yuji Masuda y_masuda0208@yahoo.co.jp

Abstract

The objective was to prove the ABC conjecture by my definition series.

Proof

From "Reconstruction Proofs by Definition" of my No.67, I define all numbers as 5 numbers.

-2 -1

0=2

1

$$\ln(0) = \ln(\frac{1}{\pm \infty}) = \ln(\frac{1}{e}) = \ln(e^{-1}) = -1$$

$$\ln(1) = \ln(-e^2) = \ln(-1) + 2 = i\pi + 2 = -2 + 2 = 0$$

$$\ln(2) = \ln(-e) = \ln(-1) + 1 = i\pi + 1 = -2 + 1 = -1$$

$$\ln(3) = \ln(-2) = \ln(e) = 1$$

$$\ln(4) = \ln(-1) = i\pi = -2$$

$$\ln(5) = \ln(0) = -1$$

$$\ln(6) = \ln(1) = 0$$

$$\ln(7) = \ln(2) = -1$$

$$\ln(8) = \ln(3) = 1$$

$$\ln(9) = \ln(4) = -2$$

Since these five numbers are prime to each other, there are 6 additive patterns.

Furthermore, it does not include 0, so if I exclude the additive 0,

 $\begin{array}{lll}
\boxed{11-1=0} & \rightarrow \boxed{11\times(-1)\times0=0} & \therefore 0^2 \ge 0 \\
\boxed{21-2=-1} & \rightarrow \boxed{21\times(-2)\times(-1)=2=0} & \therefore 0^2 \ge -1 \\
\boxed{4-1-2=-3=2=0} & \rightarrow \boxed{4(-1)\times(-2)\times0=0} & \therefore 0^2 \ge 0
\end{array}$

[proof end]

General comments

The numbers are very deep. I firmly believe that there are still many undiscovered areas.