The questions on Trinity & Filioque Controversy, Theomathology¹

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Abstract

I have created a new field of study, which I named, "theomathology" which is a field of Theological Mathematics. The doctrine of Trinity and dispute over Filioque have been continuing on for almost about 2,000 years of history, but still, no one has clearly explained nor proven their essences. Apparently, when we conduct a research on Trinity or Filioque controversy, and if we study something that is off the track from them, it is hard to expect any good result no matter how much time is being invested.

First of all, in order to understand both 'Filioque and Trinity doctrine, which they are sharing the same root, the explanation on both Trinity doctrine and Filioque Controversy should not be separated from each other. We have to seriously observe the historical fact thinking back to the Toledo Synod (AD 589), when the word "Filioque" was forcefully adopted into the Creed, although no one understood it or was able to explain it so. Thus I strongly believe that it was done either by the inspiration or a kind of miraclesfrom the Holy Spirit.

¹Your Soul in the after Life, Theomathology by Francis J. Yun. 2003 Jay Street Publishers New York. NY. USA

1. The realm of thesis

Godcould not be simply either defined or explained, howeverone of good studies to explain both Trinity² and Filioque Controversyis observing through Theomathology. If God can be defined with infinity, eternity or magnitude,let's define the definition of God as eternity and infinity. This thesis limitedly defines God only with eternity and infinity for Theomathological ways.According to the definition on Trinity, there are three persons:the Father, the Son and the Holy Spirit who keepthe same substance with the Father of God.But the role of each person isindependent. However, The Holy spirit proceeds from Father and Son (Qui ex Patre Filióque procédit).

2. The Motive on Theomathological Research

Regarding the terms, Trinity and Filioque, neither wordappears in the Holy Bible. However, aroundin AD 200, one of the most famous Latin theologian Quintus Septimius Florens Tertullianus³ tried to explain the existence of God, which he created the new word "Trinitas." The theory of Trinity has been an unsolved problem for 2,000 years, and many of the works done by great theologians in history or contemporary theologians do not seem to have fully understood the theory and claim verbose theories. Indeed, this is surprising. The reason why I started to write this paper isbecause of very simple reason. Because unknowing patrists created the Creed while they did not fully understand it, the Holy Spirit has guided them to learn in the right way about the existence of God to the Roman Catholic Church. During the First Constantinople Council (AD 381), the Nicea-Constantinople Creed was created, but it was false. The Holy Spirit suppressed its anger and waited; then during the Toledo Synod (AD 589), it was forcefully adopted despite no one understood nor was able to explain it so. The Roman Catholic Church has adopted and used it until today, but was there anyone who can correctly explain and interpret it? Isn't it still a disputable issue? Therefore, considering that the Filioque issue is over-watched by the Holy Spirit, with the confidence that it cannot be erroneous, I will try to explain it using Theomathology to let more people to understand them, and hoping that the Western and the Eastern churches would find a harmony with firm belief.

²The Encyclopedia Americana (1956), Vol. XXVII, p. 294

³Robert Audi, The Cambridge Dictionary of Philosophy, Cambridge University Press, 1999
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a. The language used by the God was in uncomplicated words, so that the people can understand him easily.

b. To dig out gold, study must be conducted on basic academics such as mineralogy, mine engineering, geology, metallography, etc. first. And when you try to find a gold mine, it should be easier to fine one and get gold.

c. In the Bible, after the Jesus give his preach, did he ever explained again about his preaches in long and wordy manner? He always used clear and concise phrases. In general thesis, there seems to be a tendency that if one claims a theory that ordinary people cannot understand fast, he is marked as a 'great scholar'. The basis of IT technology or any computer system is all working with 0 and 1, a simple binary system.

d. So is the Theomathology; it applies simple basic mathematical theories.

There are tons of philosophical or theological problems waiting to be solved by the Theomathology. To help out such researches to start, here I have decided to write a thesis on the Trinity and Filioque Controversy as examples.

3. What is Trinity?

First of all, to fully understand the Trinity Doctrine, it requires full understanding on "Filioque Controversy., however, to fully understand "Filioque Controversy", it requires a full understanding on the Trinity doctrine as they are from the same root. This point is the very core point to understand both Trinity and Filioque Controversy.

"Trinity" can be defined as "three hypostasis existing inside an entity, which represents the eternity of the God and the mystery of the Infinity."

When you interpret it in Theomathology, we say, "In a population of natural number sequence N, there are two sub-sequences which have the same substance of the populationsequence N."

There are three properties in the population sequence N^4 :

1 Eternity 2 Infinity 3 immensity (omnipresence)

3-1. Trinity through the Concept of Natural Number Sequence

Natural Number sequence N is not God; however through the concept of Natural number sequence, we can easily understand God.Let's name a population on natural number sequence as "N". Then we find two group sub-sequence which keep the same substance of the population N, thus the one named an odd number sequenceN_x, and the other as an even number sequenceN_y in this population N.It can be easy to find the fact in the population N that there are two specific characters; one eternity and the other infinity. Now we can say that there are both eternity and infinity as specific characters, in the population N sequence of natural number.

Proof:

Theomathologically, the substance of the population N on natural number sequence is

 $N \supset Z \supset Q \supset R \supset C \dots (3-1)$

Note: the number system is as follow: C (complex number) $\supset \{\mathbb{R}^i, i^2=-1\}$ (i.e) $\{3\pm 5i, 4\pm 7i, etc\}$ R (real number) $\supset (\mathbb{Z}. \mathbb{Q}. \sqrt{2}. \pi)$ I (i, irrational number,) $\supset \{\sqrt{3}, \pi\}$ Q (rational number) $\supset \{\frac{2}{3}, -\frac{4}{7},\}$ Z (integral number,) $\supset \{-2, -1, 0, 1, 2, 3...\}$ N (natural number) $\supset \{1, 2, 3, 4,\}$ N = [1. p(prime number) $\supset \{2, 3, 5, 7...\}$, c (composite number) $\supset \{4, 6, 8..\}$]

Note: C (complex number) \neq c (composite number)

⁴George E. Andrews, Evan Pugh The Holy Grail of Number Theory published by Saunders in 1971Dedekind's AxiomFor every partition of all the points on a line into two nonempty sets such that no point of either lies between two points of the other, there is a point of one set which lies between every other point of that set and every point of the other set.

The basic natural number system onnatural number N is as per (3-1)

All condition on the substance of N is as shown (3-1)

Thus the natural number sequence is composed with 2 groups (N_x, N_y) in the population of natural number sequence N.

Let's transcribe the above as

Remark: [] symbol of group or sub group

 $N \supset \subset [N_x, N_y] \qquad(3-2)$ $N = [x \in N \mid x \in 1, 2, 3, \infty] \dots (3-3)$ $N = [y \in N \mid y \in 2, 4, 6, \infty] \dots (3-4)$

if the above formulae (3-2) & (3-3&4) can be marked as

$$N = [N_x | x \in 1, 3, 5, ..., \infty, | N_y | y \in 2.4.6..., \infty]$$

From above formulae $N_x \& N_v$

 $N_x = [n_x | x \in 1,3,5.. \infty] \subset N....(3-5)$

 $N_y = [n_y \mid y \in 2,4,6...\infty] \subset N....(3-6)$

∴ $[N_x, N_y] \subset N$ (3-7)

We have to observe N_x is 1-1 mapping to N, N_y is also 1-1 mapping⁵ to N.

However, both N_x and N_y keep the same substance of N,

Thus it can be expressed as per the following formulae :

 $N \sim N$, $N_{y} \sim N$ (3-8)

However each of N, N_x and N_y keeps its own individual function as per (3-A,B&C)

⁵.Gaughan, Edward. Introduction to Analysis. AMS (2009). 1.1 Sequences and Convergence

It is self evident that it will turn out that way as per Axiom.

Accordingly Sub-groups N_x is 1-1 mapping to N, N_y is also 1-1 mapping to N.Therefore both N_x and N_y keep the same substance with the population N of natural number sequence as per (3-1)

Therefore

 $N \subset \supset N_x$, $N \subset \supset N_y$ (3-9) $N \subset \supset N_x \subset \supset N_y$ (3-10)

Thus Formulae (3-A,B & C) and (3-11) sufficiently explained and proved The Trinity Doctrine hrough Theomathology. q.e.d.

4. What is the Filioque Controversy?

Because this thesis do not need to introduce the whole history of it, as this thesis is focusing on the proofs or explanations on both Trinity question and the Filioque Controversy through Theomathology.

The Filioque in Latin means "the Son" in English. But this simple word "que(and)" have not only been changed the history of the Christian Church but also history of the world. In AD 381, the Creed that we confess today was decided at the Nicae Constantinople Synod. However, The Roman Catholic Church itself has inserted the Filioque clause into the Nicae Constantinople Creed without the consent from the Greek Orthodox Church. (AD 589), Because of this Filioque clause, two churches began the contradiction with each other. Due to this disputation, two churches were separated in AD1054. This is the simple history of the Disputation on Filioque.

4-1Jesus was baptized by John the Baptist. in the River Jordan.

Even though the only Son of God, Jesus Christ was born from the Virgin Mary and became a human being, Jesus, as a human being, was baptized by John the Baptist in the River Jordan. Jesuswas qualified to extend the human-being salvation as the Holy Spirit of pigeon shapes came down onto Jesus. This is the core to understand both questions on Trinity and the Filioque Controversy.

As shown in the formula (3-1), even though the population N of the Father is composed of sub-groups of N_x and N_v , each of two sub groups is individually active on the earth according

to the will of the Father. Howeverthey are also absolutely independent from each other. It was proved in Section 3. Accordingly, the term on "God is only one" is also proved.

4-2 The Activities on Earth by Both the Son and the Holy Spirit⁶

It is the point where we have to understand the qualification for both activities of Nx and N_y on earth. According to the Bible, both N_x and N_Y are always working together on earth according to the Father's intentions⁷. Thus we define that when N_x is working on earth, it is marked N_f . It is the Son on earth.

While N_y is marked N_{hs} on earth, when N_x and N_y are combined together, they are the same as the Father N in Heaven according to (3-7)

It can be theomathologically expressed as

$$N = N_x \cup N_v \tag{4-1}$$

Jesus became The Son N_f on earth when the shapes of Pigeon came down onto him while he was baptized by John the Baptist in the Jordan River⁸⁹.ThusJesus at last became the Son N_f on Earth. Jesus also became God because he was composed with two factors N_x and N_y . If so, Jesus became God of the Father on Earth. Based on 4-1, it is marked as N_f . as he is the Son.On the other hand, the Holy Spirit, N_{hs} also became God, the Father on earth.

The Spirit N_y in Heaven became the Holy Spirit N_{hs} when the Son N_x in Heaven came down on the Earth and joined The Spirit N_s according to the Bible (Matthew 28: 20). Thus the Spirit N_y became the Holy Spirit N_{hs} only after Jesus N_x in Heaven joined the Spirit N_y^{10} on Earth.

It is the fact that Jesus sent us the Spirit N_y who was in Heaven, but N_y alone on earth could not act as God, thus Jesus must join N_y according to John 28:20 thus $N_y \cup N_x$ became N_{hs} .

⁷John 14:28

⁶John 16;14-16

⁸George E. Andrews, Evan Pugh The Holy Grail of Number Theory published by Saunders in 1971

⁹Charles M. Sennott, The body and the blood, Public Affairs Pub, 2003. p 234 ¹⁰The Gospel of Mattew 28:20, John 14:16 & 26 John 15:26, 16:15

4-3 He ascended to Heaven and seated on the right side of theFather.

(Et ascéndit in cælum, sedet ad déxteram Patris)

We confess The Apostle's Creed and easily find the clause "He ascended to Heaven and is seated at the right hand of the Father."

According to John 10:30 and 38, Jesus N_f on earth ascended to Heaven and then N_x is seated on the right side of the Father. It is the same explanation as per formula (3-3). Jesus N_f who ascended to Heaven after he hadcompleted his role on Earth should part from N_y and returned to N_x status. In a word, he recovered his original status N_x in Heaven according to formula (3-1).

5 The Holy Spirit (N_{hs})

The Holy Spirit is one of three persons. all three persons keep the same substances with the Father's. It is called Trinity doctrine.

5-1 All the three persons is One God of the Father N.

Both the Son N_x and the Holy Spirit N_y are sub sequences in the population N. It is already explained and proven in Chapter 3 & 4.

It is the key point that N_{hs} comes from $N_x \cup N_y$

The conception of the almightyGod¹¹ N is a precondition for understandingthe Holy SpiritN_{hs}. It is because the perfect Holy Spirit($\pi v \epsilon \tilde{\upsilon} \mu \alpha$) N_{hs}Requires to keep the same elements as God of The Father. Because of this reason, the Spirit N_y requires to combine with the Son N_x, then N_y becomes the Holy SpiritN_{hs}

That is :

 $N_x \cup N_y = N_{hs}$ (5-1)¹²

This Holy Spirit N_{hs} alone according to will of Godcould go into action onEarth¹³.

5-2 Filioque Controversy

¹¹Genesis 17:1

¹²Matthew 28:20, Luke 24:49, John 14:9,10,13,18,19,26,28,31

¹³John 14:31

If the Spirit N_y comes down on Earth, N_y alone can do nothing on Earth because N_y alone is not the Same God N. Then it is a question where N_y comes from. Its only correct answer is :

This formula shows the Spirit N_v in Heaven from God of the Father N.

Thus the above formulae (5-1) and (5-2) proved that the Holy spirit proceeded from The Father of God. And then N_y with N_x became Holy Spirit N_{hs} on Earth.

According to the Holy Bible¹⁴, Jesus also came from God. Because of such occasion, it is certain that the Holy Spirit N_{hs} proceeded from God as per (5-2).

The Formulae (5-1 & 2) show that The Holy spirit $N_{\rm hs}\,$ proceeds from The Father N and Son $N_{\rm x}\,$.

Thus the Filioque Controversy is now simply solved. The mystery of the Filioque Controversy is now awakened from 2,000 years long sleeping.

q.e.d.

6. Conclusion¹⁵

This moment, as I completed his thesis, it is very dramatic moment because two of the most mysterious questions in history are about to see the silver lining in the dark cloud. This thesis belongs to the field of Mathematics, thus if any readers want to fully understand this thesis, it requires some knowledge of mathematical concepts with sufficient knowledge on Christian doctrines, i.e Questions of Trinity and the filioquecontroversy.

I tried to explain this thesis with simple concepts of mathematics, and I avoided using set theory, instead, I have applied very basic concept of natural number sequenceon both Trinity questions and the Filioque Controversy, hoping that some of young theologians would take their hot interests in this Theomathology without too much burden.

¹⁴John 8:42 "I proceeded forth and came from God; neither came I of myself, but he sent me.(evgw. ga.r evk tou/ qeou/ evxh/lqon kai. h[kw\ ouvde. ga.r avpV evmautou/ evlh,luqa(avllV evkei/no,j me avpe,steilen)"

¹⁵John 14 : 9, 10, 13, 18, 19, 26, 28, 31

Prior to the Theomathology, the study of theology was considered to have no relation with mathematics. However, as we have entered the 21st century, speed of development of science is in supersonic speed; and the field of theology also has to keep up with this speed, otherwise people would lose their faith and belief. We are living in a world where IT industry is massively developed that it will soon exceed the human brain; and people even fear that when the humanoids comes out, the human being may become extinct because of the robots. The basic of IT technology is 0 and 1. In other words, its basic is mathematics.

Theomathology will require some level of mathematical knowledge as it expands the area of questions to tackle. There are already few theses that I have published 10 years ago, and I hope that it will be helpful for the field of theology to have a lot of scholars like IT field.

I hope this thesis will find many theologians a good impression, and I would like to dedicate my work to the Glory of the Father, the Son and the Holy Spirit. May the world have peace and love of God, and let it be abundant with prosperous lives.

The End

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