Refutation of Archambault conjectures on the filioque, invoking Macedonianism

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Abstract: We evaluate formulas for relations between the Persons of the Holy Trinity as Archambault proffers for Anslem. The conjectured attributions of the filioque are not tautologous. What follows is a tacit invocation of the Pneumatomachian heresy or Macedonianism which denies the full Divinity or Personality of the Holy Ghost. This refutes Archambault's conjectures on the filioque to form a non tautologous fragment of the universal logic VŁ4.

We assume the method and apparatus of Meth8/VŁ4 with Tautology as the designated proof value, F as contradiction, N as truthity (non-contingency), and C as falsity (contingency). The 16-valued truth table is row-major and horizontal, or repeating fragments of 128-tables, sometimes with table counts, for more variables. (See ersatz-systems.com.)

LET ~ Not; + Or, V, U, ⊔; - Not Or; & And, Λ, ∩, Π, ·, ⊗; \ Not And;
> Imply, greater than, , , , ; < Not Imply, less than, , , , ; @ Not Equivalent, ≠, ⊕;
% possibility, for one or some, , , ◊, M; # necessity, for every or all, ∀, □, L;
(z=z) T as tautology, T, ordinal 3; (z@z) F as contradiction, Ø, Null, ⊥, zero;
(%z>#z) N as non-contingency, Δ, ordinal 1; (%z<#z) C as contingency, ∨, ordinal 2;
(¬y<x) (x ≤ y), (x ⊆ y), (x ⊏ y); (A=B) (A~B).

Note for clarity, we usually distribute quantifiers onto each designated variable.

From: Archambault, J. (2019). Counterpossibles and normal defaults in the filioque controversy. fordham.academia.edu/JacobArchambault  jacobarchambault@gmail.com

3.4. Anselm’s use of normal defaults in the de processione Spiritus Sancti

... (4) the following formulae specifying the relations between the divine persons:

pRs, pRf, ¬x(xRx), ∀x, y(xRy→¬yRx), ∀x, y((xRyVyRx)Vx=y) (3.4.4.1)

In the above, we assume R represents the relationship of procession between the divine persons: pRs thus states that the Spirit proceeds from the Father; pRf, that the Son proceeds from the Father.

LET p, q, s, x, y: p, f, s, x, y.

With: p as Pneuma; f as Father; s as Son; and aRc is mapped as a<c, to mean the antecedent proceeds or follows from the consequent

((p<s)&(p<q))&((¬(%x<%x)&((y&(y<#x))>~(y<#x)))&((y&((#x<y)+(y<#x)))+(x=y))) ;

F T F F F F F F F F F F F F F F F F (16)
F F F F F F F F F F F F F F F (16)
F F F F F F F F F F F (48)
F F F F F F F F F F F F F F F F F (16)
F F F F F F F F F F F (32)

Eq. 3.4.4.2 is not tautologous, hence refuting Archambault's mapping of Anselm's procession of the Holy Ghost and filioque. What follows is invocation of the Pneumatomachian heresy or Macedonianism which denies the full Divinity or Personality of the Holy Ghost.