

Refutation of the ABC conjecture

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Updated abstract at ersatz-systems.com; email: info@cec-services dot com

We assume the method and apparatus of Meth8/VL4 with Tautology as the designated *proof* value, **F** as contradiction, **N** as truthity (non-contingency), and **C** as falsity (contingency). Results are a 16-valued truth table in row-major and horizontal, or repeating fragments of 128-tables for more variables.

LET p, q, s integers; r relatively prime; \sim Not; $+$ Or; $\&$ And; $>$ Imply; $=$ Equivalent.

The ABC conjecture is described at wiki. Basically the sentence reads:

"If p or q is equivalent to s and p, q, s are relatively prime, then p or q is tautologous". (1.0)

If the conjecture is confirmed, then it can be used as the proof for a multitude of other unrefuted conjectures.

"If $p+q=s$ and p, q, s are relatively prime, then $p+q$ is tautologous." (1.1)

$((p+q)=s)\&(((p\&q)\&s)=r))>(p+q)$; **F**TTT TTTT TTTT TTTT (1.2)

Eq. 1.2 as rendered is *not* tautologous, and deviates by one value in bold. This refutes the ABC conjecture.