Refutation of set of cycles in classical real Minkowski plane

From: en.wikipedia.org/wiki/Minkowski_plane

$P := (R\cup\{\infty\})^2 = R^2\cup(\{\infty\}\times R)\cup(R\times\{\infty\})\cup\{(\infty,\infty)\}, \infty\notin R,$ **the set of points**, (1.1)

$Z := \{\{(x,y)\in R^2|y=ax+b\}\cup\{(\infty,\infty)\}|a,b\in R,a\neq 0\}\cup\{\{(x,y)\in R^2|y=ax-b+c,x\neq b\}\cup\{(b,\infty),(\infty,c)\}|$
$a,b,c\in R,a\neq 0\},$ **the set of cycles**. (2.1)

We assume the apparatus and method of Meth8/VŁ4. The designated *proof* value is T tautologous. Repeating fragments of the truth table results are 16-values as row-major, and presented horizontally.

LET r s t u v x y : R a b ∞ c x y;
~ Not; & And, ×, ∪, ","; > Imply, |, greater than; < Not Imply, lesser than, ∈; = Equivalent to;
@ Not Equivalent to, ≠; + Or; - Not Or; ~(p>q) (p≤q); ~(p<q) p∉q;
% possibility, existential for one or some; # necessity, universal for all;
(s@s) logical 00; (%s>#s)-(%s>#s) numeric zero as one minus one.

P, the set of points:

~(u<r) > (((r&u)&(r&u))=(((r&r)&(u&r))&((r&u)&(u&u))));
TTTT TTTT TTTT TTTT (1.2)

Eq.1.2 as rendered is tautologous. This means the set of points in the classical real Minkowski plane are confirmed.

Z, the set of cycles, using logical 00:

((((x&y)<(r&r))>(y=((s&x)+t)))&((((s&t)<r)&~(s=(s@s)))>(u&u))) & ((((x&y)<(r&r)) &
((y=((s\(x-t))+v))&~(x=t)))&(((((s&t)&v)<r)&~(s=(s@s)))>((t&u)&(u&v))));
FFFF FFFF FFFF FFFF (2.2.1)

Z, the set of cycles, using numeric zero as one minus one:

((((x&y)<(r&r))>(y=((s&x)+t)))&((((s&t)<r)&~(s=((%s>#s)-(%s>#s))))>(u&u))) &
((((x&y)<(r&r))&((y=((s\(x-t))+v))&~(x=t)))&(((((s&t)&v)<r)&~(s=((%s>#s)-
(%s>#s))))>((t&u)&(u&v)))); FFFF FFFF FFFF FFFF; FFFF FFFF TTTT FFFF (2.2.2)

Eqs. 2.2.1 and 2.2.2 are *not* tautologous. This means the set of cycles in the classical real Minkowski plane are refuted.

Remark: Eq. 2.2.2 as rendered numerically provides a finer level of detail in proof results than Eq. 2.2.1 logically. Hence Eq. 2.2.2 shows *not* contradictory, but obviously also *not* tautologous.

What follows is that basing quantum theory on the set of cycles in the classical real Minkowski plane is suspicious.