Abstract Submitted
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Another Superluminal Thought Experiment FLORENTIN SMARANDACHE, University of New Mexico — Suppose we have two particles A and B that fly in the opposite direction from the fixed point O, with the speeds v_1 and respectively v_2 with respect to an observer that stays in the point O. Let's consider that $v_1 + v_2 \geq c$.

- But, an observer that travels with particle A (therefore he is at rest with particle A) measures the speed of particle B as being $v = \quad v_1 + v_2 \geq c$.

Similarly for an observer that travels with particle B: he measures the speed of particle A as also being superluminal: $v = \quad v_1 + v_2 \geq c$.

- If we suppose $v_1 = c$ and $v_2 > 0$, then for the observer that travels with particle A his speed with respect to observer in O is c. But, in the same time, for the observer that travels with particle A his speed with respect to particle B should be greater that c, otherwise it would result that particle B was stationary with respect to observer in O. It results that $c + v_2 > c$ for non-nullv_2, contrarily to the Special Theory of Relativity.

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