

Abstract Submitted  
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**Multi-Rocket Thought Experiment** FLORENTIN SMARANDACHE,  
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Each of them moving at constant different velocities respectively  $v_1, v_2, \dots, v_n$   
on parallel directions in the same sense. In each rocket there is a light clock, the  
observer on earth also has a light clock. All  $n+1$  light clocks are identical and  
synchronized. The proper time  $\Delta t'$  in each rocket is the same.

1. If we consider the observer on earth and the first rocket  $R_1$ , then the non-  
proper time  $\Delta t$  of the observer on earth is dilated with the factor  $D(v_1)$  :

or  $\Delta t = \Delta t' D(v_1)$

1. But if we consider the observer on earth and the second rocket  $R_2$ , then the  
non-proper time  $\Delta t$  of the observer on earth is dilated with a different factor  
 $D(v_2)$  :

or  $\Delta t = \Delta t' D(v_2)$  And so on. Therefore simultaneously  $\Delta t$  is dilated with  
different factors  $D(v_1), D(v_2), \dots, D(v_n)$ , which is a multiple contradiction.

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