

Abstract Submitted  
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**The Paradox of Special vs. General Theory of Relativity** FLORENTIN SMARANDACHE, University of New Mexico — Two clocks  $C1$  and  $C2$  are synchronized on the earth. Then clock  $C2$  is flying with a uniform speed at an altitude  $h > 0$  above the earth.

1. According to the Special Theory of Relativity there is symmetry of time dilation between  $C1$  and  $C2$
2. But, according to the General Theory of Relativity, there is an asymmetry of time between  $C1$  and  $C2$ , since the clock  $C1$  is running slower down in the gravitational field than the clock  $C2$  which is running faster at a higher altitude

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