

## STR, dilatation of time, experiment

Once Halley's Comet will return again after 45 years people could carry out my conception. They'd send a spacecraft there in order to place watch on the comet, the same watch with time setting to be same like that of the reference watch resting on the Earth. And then after next 76 years when comet will return near the Earth again...

*( situation with the comet is the analogous like that with twins: comet is decelerating its motion within retreating and accelerating on its way back. Dilatation of time is on in the case of both decelerating and accelerating as well. → This is Mr. Hnedkovsky opinion!! )*

...the watch placed on comet could be picked up. Then and only afterwards it can be proved who was right, Mr. Hnedkovsky or I. Mr Hnedkovsky is convinced of time to be dilated at any circumstances regardless of which kind of acceleration we are thinking about whether decelerating or accelerating, respectively.

Notice : Maybe that problem of dilatation of time ( related to the Twin Paradox) can be resolved mathematically according to STR even at the present time through Halley's comet. Comet itself could be as old as whole Solar system is since its origin i.e. 5 billion of years.ago. During this time period it could make about 60 such returns. (Maybe less, we do not know).

It doesn't matter whether comet's accelerating or decelerating, according to Mr. Hnedkovsky time is still dilates! I don't think so. If comet would become younger, let's say about 15 years at every return back then today it would be younger compared to the age of the Earth for about one billion of years and about 2 billions of years compared to age of the Sun because even our planet is ageing toward the Sun more slowly – how Mr. Hnedkovsky declares.

Another example : if we will send out a rocket to the end of the universe by relativistic speed then according to Mr Lubob it will become younger and younger up to the moment to be old no more than just a couple seconds.

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