

Re: The GPS GR Correction, put to Rest.

Source: <http://sci.tech-archive.net/Archive/sci.physics.relativity/2004-10/1340.html>

From: Henri Wilson (H_at_..(Henri))

Date: 10/04/04

Date: Mon, 04 Oct 2004 20:01:25 GMT

On Mon, 04 Oct 2004 16:13:36 GMT, John Polasek <jpolasek@cfl.rr.com> wrote:

>On Sun, 03 Oct 2004 21:43:01 GMT, H@..(Henri Wilson) wrote:

>

>>On Sun, 03 Oct 2004 14:17:56 GMT, John C. Polasek <jpolasek@cfl.rr.com> wrote:

>>

>>>Because observed clock rates suffer a loss due to the Lorentz

>>>transform of (approx.) $v^2/2*c^2$, and the relative v has doubled so

>>>the discrepancy is multiplied by 4.

>>

>>What about the square root?

>>(Actually I don't believe it slows at all)

>Maybe this will help: $1 - \sqrt{1-x^2} = x^2/2$ for small x .

So does SR only work if $v \ll c$?

HW.

www.users.bigpond.com/hewn/index.htm