

# Re: What Exactly Happens to TIME in GPS Orbit?

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*Source:* <http://sci.tech-archive.net/Archive/sci.physics.relativity/2006-06/msg00246.html>

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- *From:* "The Sorcerer" <[Headmaster@xxxxxxxxxxxxxxxx](mailto:Headmaster@xxxxxxxxxxxxxxxx)>
  - *Date:* Sun, 04 Jun 2006 01:38:18 GMT
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"Henri Wilson" <HW@..> wrote in message  
[news:t27482h95pon95lkud9gio65d8ke6ofjji@xxxxxxxxxxx](mailto:news:t27482h95pon95lkud9gio65d8ke6ofjji@xxxxxxxxxxx)  
| On Sat, 03 Jun 2006 01:38:13 GMT, "The Sorcerer"  
<[Headmaster@xxxxxxxxxxxxxxxx](mailto:Headmaster@xxxxxxxxxxxxxxxx)>  
| wrote:  
|  
|>  
|>"Henry Haapalainen" <[kirppu@xxxxxxxxxxx](mailto:kirppu@xxxxxxxxxxx)> wrote in message  
|>[news:ek3gg.613\\$Sz5.209@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ek3gg.613$Sz5.209@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)  
|>| B6  
|>| Time is absolute, and in a free fall every atomic clock of the universe  
|>| shows the same time.  
|>  
|>Yes indeed, but Phuckwit Duck will disagree.  
|>  
|>  
|>| But they work erratically if there is any change from  
|>| the free fall.  
|>  
|>Nah...  
|>  
|>  
|>Acceleration affects the function of the atomic clock,  
|>  
|>But I thought you said  
|>  
|>"When an object falls in a gravity field, it seems to be in accelerating  
|>motion.  
|>However, this is not so, the acceleration is only apparent."  
|>  
|>  
|>| and  
|>| that has been measured in centrifuge. Free fall is the basic state  
without  
|>| any acceleration.  
|>  
|>Free fall is a state of acceleration, Happy Henry. A centrifuge has  
opposing

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| >forces and objects in the centrifuge do not fly away.  
| >You are confusing unopposed force with acceleration, and acceleration  
| >is changing velocity as a function of time.  
| >You are proven wrong by your own words, Happy Henry.  
| >Pay up US \$1000.  
|  
| No, A, listen. This is not as clear cut as you think.  
| It depends whether acceleration is defined as  $a=F/M$  or  $a=dv/dt=d^2x/dt^2$

I and my car accelerate simultaneously but my mass is different to the car's mass.  
Hence acceleration is independent of mass and  $a = d^2x/dt^2$ .

|  
| In the case of an object in free fall towards the Earth,  $F/M=$ zero as measured  
| on the object itself.

So don't use  $F/M$ .  
The command modules of the Apollo missions fell to Earth with the same acceleration as the occupants.  
Hence acceleration is independent of mass and  $a = d^2x/dt^2$ .

| However an observer on the moon would clearly see that  $dv/dt$  was increasing.

Yep.  $a=dv/dt$ .

|  
| I tend to agree with Henry that all clocks in free fall should read the same.

So do I, but I do not agree that "acceleration is only apparent."(HH)  
|  
| After all, most Henrys are correct most of the time.

He's not really a Henry, he's Dork Van de merde the Norwegian tusseled. Norway is next to Finland and he lives in Belgium, neither of the three of him knows who's who. Only a complete shithead could mistake Phuckwit Duck for me, but at least Phuckwit Duck told him Einstein's third law of motion was Newton's.

Happy Henry still owes myself and Phuckwit Duck US\$1000 each, and you still owe me three cases of Glenlivet.  
If you can persuade Dork Van de Haapalainen to pay up I'll waive the three cases as a commission, but his reputation still sucks, as does Wombat's Wobbly Wedge—on Worbits Pty Ltd.

BTW, watch out for those clever software and electronic engineers

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in India:

Skilled Migration Program

The Australian Government has responded to industry concerns about skilled job vacancies by announcing that the 2005–2006 Migration Program has been increased to include an additional 20,000 skilled migration places.

It is ironic that while Australia is enjoying its longest employment growth in recent history and its lowest unemployment figures for decades, we are facing a critical skill shortage. One company that has continued to grow and which does not appear to suffer from this shortage is AKE Electrical and Data Installations Pty Ltd.

<http://www.australianbusiness.com.au/>

I ain't about to apply, I'm retired.

Androcles Van de Wilson.

|  
|>Androcles.  
|>  
|  
|  
| HW.  
| [www.users.bigpond.com/hewn/index.htm](http://www.users.bigpond.com/hewn/index.htm)  
|  
| Appropriate message snipping is considerate and painless.  
|

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