

Re: Gravitational time dilation within shell

Source: <http://sci.tech-archive.net/Archive/sci.physics.relativity/2008-07/msg03022.html>

- *From:* "Androcles" <Headmaster@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 31 Jul 2008 22:00:20 +0100
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<shalayka@xxxxxxxx> wrote in message
news:c8d8e032-955b-4233-b66e-b576ecd01b1e@xx
On Jul 31, 2:01 pm, "Androcles" <Headmas...@xxxxxxxxxxxxxxxxxxx> wrote:

<shala...@xxxxxxxx> wrote in message

news:3372a5dc-8cef-4684-a045-0074e456b147@xx

| Are the gravitational time dilation experienced by a test particle the
| same for these two setups?

| 1) A single gravitating body of mass M at a distance of R from the
| test particle ... $\tau = t \sqrt{1 - 2GM/(Rc^2)}$.

| 2) A homogeneous shell of mass M of radius R, where the test particle
| is inside of the shell (doesn't need to be at the centre since $d\tau/dr$
| = 0 inside).

| Thanks for any information.

| - Shawn

Yes, of course. Now be a good boy and take your medicine.

OK dude, you don't even believe in Einstein's relativity. Thanks for the reply though. I was getting really lonely. :)

Sho' 'nuff.

Why did Einstein say
the speed of light from A to B is $c-v$,
the speed of light from B to A is $c+v$,
the "time" each way is the same?

Ref: <http://www.fourmilab.ch/etexts/einstein/specrel/www/figures/img22.gif>

Your answer goes here:

Other answers have been:

According to Ian Parker:

"We are not talking about the speed of light here we are talking classical stability theory." -- Idiot Ian Parker.

According to cretin harald.vanlintelButNotThis@xxxxxxx

"Easy: he did NOT say that."

According to moron van lintel, Einstein did not write the equation he wrote.

According to xxein:

It is an artefactual/superficially imposed yin-yang of sorts.

According to Lamenting Shubert:

Why do you want to know?

According to Imbecile Jimmy Black:

" In neither system (meaning frame of reference in modern-day terminology) is the speed of light $c-v$ or $c+v$. In both systems the speed of light is c ."

According to the imbecile Jimmy Black, Einstein did not write the equation he wrote.

According to Dork Bruere

"I don't give a damn what Einstein wrote."

'we establish by definition that the "time" required by light to travel from A to B equals the "time" it requires to travel from B to A' because I SAY SO and you have to agree because I'm the great genius, STOOOPID, don't you dare question it. -- Rabbi Albert Einstein

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