

Re: "Is There a Force of Gravity?"

Source: <http://sci.tech--archive.net/Archive/sci.physics.relativity/2005-10/msg01464.html>

- *From:* "N:dlzc D:aol T:com \(\dlzc\)" <N: dlzc1 D:cox T:net@xxxxxxxxxxx>
 - *Date:* Mon, 24 Oct 2005 17:41:23 -0700
-

Dear Harry:

"Harry" <harald.vanlintel@xxxxxxxx> wrote in message
[news:435d0b79\\$1@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:435d0b79$1@xxxxxxxxxxxxxxxxxxxxxxxx)

>
> "N:dlzc D:aol T:com (dlzc)" <N: dlzc1 D:cox T:net@xxxxxxxxxxx>
> wrote in
> message [news:HPZ6f.90801\\$lq6.43459@xxxxxxxxxxxxxxxx](mailto:news:HPZ6f.90801$lq6.43459@xxxxxxxxxxxxxxxx)
>> Dear Daniel Weston:
> SNIP
>
>> Contact forces provide the sensation of gravity. Note that
>> when you throw a ball, and observe its "parabolic path",
>> it is not the ball that is accelerating. *Your* feet are in
>> contact with the Earth, you are accelerated.
>
> Hmm... then, if *you* live in, say, Switzerland and you are
> *really* (remember, that was the issue) accelerated by
> being in contact with the earth, then the same is true for
> a guy living in the south of New-Zealand.

Correct. If the Earth was condensed to a BH, each would follow an elliptical orbit, with maximum altitude just about where they (would have) started... Switzerland and New Zealand. They are each accelerated into a circular orbit, for which they have insufficient energy to maintain, without the support of the Earth.

> OK? But he accelerates in the opposite direction. Thus
> according to you, New-Zealand and Switzerland are
> *really* accelerating away from each other by 20 m/s^2 ...
> I'd say that it's not Daniel who went over to the Dark Side!

I see the mouth moving, but can make no sense of the "sound". If it is important, please try again.

David A. Smith

- **Follow-Ups:**
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 - ◇ From: Harry

- **References:**
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 - ◇ From: Sue...
 - ◆ **Re: "Is There a Force of Gravity?"**
 - ◇ From: Daniel Weston
 - ◆ **Re: "Is There a Force of Gravity?"**
 - ◇ From: N:dlzc D:aol T:com \(\dlzc\)
 - ◆ **Re: "Is There a Force of Gravity?"**
 - ◇ From: Harry

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