

Re: Comics: the twins paradox in "prof" Subask kak's view

Source: <http://sci.tech-archive.net/Archive/sci.physics.relativity/2007-03/msg00702.html>

- *From:* "harry" <harald.vanlintelButNotThis@xxxxxxx>
 - *Date:* Thu, 8 Mar 2007 09:32:13 +0100
-

<karandash2000@xxxxxxxx> wrote in message
news:1173288379.441738.50120@xx

On Mar 7, 9:19 am, "harry" <harald.vanlintelButNotT...@xxxxxxx> wrote:

<karandash2...@xxxxxxxx> wrote in message

news:1173276884.347816.21270@xx

On Mar 7, 1:59 am, "harry"
<harald.vanlintelButNotT...@xxxxxxx> wrote:

<karandash2...@xxxxxxxx> wrote in
message

news:1173202008.766347.89000@xx

On Mar 6, 9:11 am, "harry"
<harald.vanlintelButNotT...@xxxxxxx>
wrote:

<karandash2...@xxxxxxxx>
wrote in
message

news:1173194666.018461.222980@xx

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On
Mar
6,
7:19
am,
"harry"
<harald.vanlintelButNotT...@xxxxxxx>
wrote:

<karandash2...@xxxxxxx>
wrote
in
message

news:1173191515.324741.270740@xxxxxxxxxxxxxxxx

On
Mar
6,
5:36
am,
"harry"
<harald.vanlintelButNotT...@xxxxxxx>
wrote:

<karandash2...@xxxxxxx>
wrote
in
message

Hence
,
he's
"discovered"
another
paradox.
Someone
needs
to
tell
him
about
how

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to
calculate:

$$\text{Integral}(\sqrt{1-(v/c)^2}) * dt$$

Not
on
my
computer
screen
where
I
see
twin
paradox
type
exercises,
apparently
for
students.
Perhaps
you
gave
the
wrong
link?

Here
is
what
he
writes:

"According
to
the
earthbound
twin,
it
is
the
twin
in
the
spaceship
whose

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clock
would
register
less
time
(what
English!)
since
it
was
the
one
that
went
thru
acceleration/deceleration"
(what
physics!)

Let's
hope
that
he
knows
how
to
calculate
that.
He'll
probably
say
that
you're
a
good
student.
;-)

He
doesn't,
otherwise
he
would
not
be
writing
the

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idiocies
you
see
on
his
webpage.

*"According
to
the
earthbound
twin"*
—
Kak
is
not
that
twin.
In
contrast,
according
to
Kak:

"A
"resolution"
may
ignore
the
fact
that
the
Earth
itself
is
not
moving
in
uniform
motion,
and
that
not
only
is
it
moving

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around
the
Sun,
which,
in
turn,
is
moving
in
the
galaxy,
and
so
on"

What
are
you
trying
to
say?
Kak
is
obviously
wrong
(and
confused,
on
top
of
that),
don't
you
agree?

Wrong
about what?
As he
points out
in his
introduction,
paradoxes
are
usually
made by
implanting
wrong

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suggestions
in the
reader's
mind.
He
presented
several such
variants of
the twin
paradox,
without
telling
the
students in
detail where
the errors
are (that's
for them to
figure
out!).
Perhaps you
read
something
else of him?

His whole paragraph is
wrong,

That's the very *purpose* of such paradoxes
– trigger the student's
minds
to
find the errors.

he obviously has no clue
how to
calculate the elapsed time
for each twin in order to do
a proper
comparison.

Again, probably you are thinking of another
article by him and you

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project
that information on this article – for there he
does not provide his
opinion
about the solutions.

Of course he does, he's getting all confused in the different
frames
of reference (Earth vs. Sun) while computing the proper
integrals as I
explained to you would have given an unambiguous answer
right off the
bat. How many times do I need to explain that to you?

I explained too many times to you that in the intro he clearly describes
his
intention to confuse the readers – that's essentially what a paradox
is...

He's babbling about
acceleration, about which
twin is
faster, etc when calculating
two definite integrals solves
the
problem.

He would likely congratulate you for finding
the error that the one
twin
made while criticizing your reading ability.

Doubtful, given your inability to read some simple
explanations.

Now I'm sure!

I don't think he's teaching
relativity (he teaches
something else),
he

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is preoccupied (and
confused) about the twins'
"paradox", he even
announced that he has
"solved" it (!!!). Did you
miss that?

Ah, now we're getting somewhere! That
reference does not announce that
he
has "solved" it. So my suspicion that you are
projecting another
article
onto this one is apparently correct.

The article is correct in your mind, that much is clear. For the
rest
of us, it is clearly incorrect. Let me spell it out for you one
last
time: Kak is attempting to compare proper times calculated
in TWO
DIFFERENT frames of reference:

Not he, but the *twin*, as I already pointed out to you. In his
presentation
there is no indication that he does not know that – quite to the
contrary.

–the rocket twin as viewed from the Erath
–the Earth twin as viewed from the Sun

Now, do you understand why Kak's "paper" is wrong?
Hopefully neither hm
nor you teach relativity at any university.

It isn't a paper but an exercise without the answers – which prevents
students from learning the answers instead of using their brains.

Of course there are many solutions to
the twin paradox, addressing different issues.

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Yes, there are many solutions, we agree on this one. Once you get the problem statement correct (which kak didn't), it is easy to solve the problem.

It's obviously for the *students* to figure that out – I surely hope that you don't teach! Universities are there to train students for the real world, in which problems don't come pre-cooked.– Hide quoted text –

– Show quoted text –

Are you daft? Kak is clearly trying to compare two proper times as seen from TWO DIFFERENT frames of reference. As such, his "problem" is incorrectly stated right off the bat. Are you reading impaired?

Sure his "problem" is incorrectly stated right off the bat, as it is meant to be! Didn't you learn English?

–> www.dictionary.com – paradox

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