

To: Jeffrey Epstein[jeevacation@gmail.com]
From: Lisa Randall
Sent: Sun 10/4/2009 6:04:41 PM
Subject: Re:

you there?

Jeffrey Epstein wrote:

> if 2 is good is there a number to call?

>

> On Sun, Oct 4, 2009 at 12:34 PM, Jeffrey Epstein <jeevacation@gmail.com

> <mailto:jeevacation@gmail.com>> wrote:

>

> 2pm?

>

>

> On Sun, Oct 4, 2009 at 11:21 AM, Lisa Randall

>

>

>

> Any availability in the spacetime continuum today or tomorrow?

>

> Jeffrey Epstein wrote:

>

> joking, for me , space and time are disconnected as my
> fingers hunt for keys

>

> On Fri, Oct 2, 2009 at 6:00 PM, Lisa Randall

>

>

>

>

> Oops. Problem of email. No offense intended. I was really
> a little

> confused. Or were you joking?

>

> Jeffrey Epstein wrote:

>

> sorry,

> On Fri, Oct 2, 2009 at 5:41 PM, Lisa Randall

>

>

>

>

>

>

>

>

> I think I'm reaching the limits of my ability to
> disentangle

> grammar

> and spelling but here goes:

>

> Jeffrey Epstein wrote:

>

> thanks , question , what does it look like if
> time is

> are changing with time and a bit more
> complicated but
> indeed they
> have 2 horizons (just like charged black
> holes).
>
> Two horizon scenario means time and space
> switch twice
> so at
> singularity you are back to ordinary time space
> identification. So
> let's first just consider Schwarzschild
> (uncharged, not
> rotating). In
> that case you are on the right track.
> Reversing time and
> coming from
> the singularity, it pretty much looks like
> a 2d big
> bang scenario
> (with the other 2d in a compact sphere).
> Space expands out
> until you
> reach the horizon and eventually goes over
> into flat
> space.
> It's not
> really accelerated expansion but still
> somewhat along
> lines you
> suggested.
>
> If there are two horizons (charged black
> hole case)
> and you
> are in
> between them (we called this Whoville
> because it looks
> like space
> has shrunk to zero but actually spacetime
> has not and
> there is a
> finite time between them so there's a whole
> world
> invisible
> to the
> outside) what happens is you alternate
> between big
> bang and big
> crunch in the full extended spacetime.
>
>
> Jeffrey Epstein wrote:
>
> Lisa . thanks,, for your time,and
> patience if i
> understand the
> Kerr equations , and your explanation
> correctly , time

> and space
 > appear to exchange coordinates , inside
 > a black
 > hole. , that
 > assumes that time is unidirectional.
 > doesn't it appear
 > that if
 > you ran negative time , it would look
 > like any other
 > explosive
 > transaction. great acceleration.
 > emanating from
 > the second
 > horizon outward slowing to a mere
 > expansion . It
 > would
 > appear
 > that " time" got shot out of the black
 > hole.
 > created by a
 > space
 > collapse at the singularity.
 >
 > --
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