Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Wed, 01 Oct 2003 21:12:10 GMT
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Do you belive that there are more than one you? Do you belive we ever come to an age in our humen history where we be able to open a worm hole through time and space?

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by boma57 on Wed, 01 Oct 2003 21:18:05 GMT
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I wouldn't get ahead of yourself; we can't even factually prove what a wormhole does yet, or if they even exist. If theories prove true, though, and they are indeed functioning "gateways" out of our universe than yes, we will most likely harness that power someday.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by John Shaft Jr. on Wed, 01 Oct 2003 21:23:52 GMT
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Now how did I know Taximes was going to answer this first. I said it was going to be Taximes or Infinit.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Jaspah on Wed, 01 Oct 2003 23:24:57 GMT
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(OT: That makes me think about the Nothing though.

You know, what would happen if the Universe impoded, or before your were born.

Messes with your head, eh?)

Anyway.

I think someday we will 'harness' the power of creating a 'wormhole'.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by U927 on Wed, 01 Oct 2003 23:33:11 GMT
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This will be a long post. You have been warned.

I believe that universes parallel to this one do exist. There is an infinite amount of universes, all with different timelines. If it becomes possible, I think wormholes could be made to other universes by the means of time travel.

Think of it this way. In our universe, the timeline cannot be altered, or else there would be a paradox and time will be caught in an endless loop. This loop can be easily explained in the Grandfather Paradox, which states that if you travel back in time to kill your grandfather, you would have never lived, so you would have never killed him. So the only way you can alter the past is to travel to a totally different universe which has the timeline you want to happen applied to it.

To the common person traveling through "time", it might seem that you really can alter the past to see what happens in the fiture, but that isn't really the case. All that happens is you get sent to a totally different universe that changes from your own at the exact point where you change it. Now, why isn't this possible in your own universe? Because the time in your universe is unchangable. No matter how hard you try, you cannot change the events in the past, since it would destroy the purpose you went to travel in the first place, and you would not have traveled, and so the paradox begins. So, yes, I believe other infinite universes exist, and I do believe that eventually we will be able to enter different universes.

Wow my fingers ache. Send in your speculations. I'll respond to them as soon as I can.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Thu, 02 Oct 2003 00:13:45 GMT
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Well acording to what i know we can't change our past but we can change our future. Take this example: I can't kill my grandfather any way i can try. But what i sould really worrie about is my grandson killing me. As i stated we can change our future but no our past so here u have a "wormhole" not though time but though reson

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Subject: Re: Parallel Universes and physics
Posted by SomeRhino on Thu, 02 Oct 2003 02:56:46 GMT
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TheGunrunDo you belive that there are more than one you? Do you belive we ever come to an age in our humen history where we be able to open a worm hole through time and space?

Belief in a parallel universe in purely a faith matter. Contrary to popular belief, a parallel universe is not required by General Relativity. I think all that is suggests is that beyond an event horizon, things would appear to be going backwards on the other side because of the light that had been captured by the black/white hole would be revealed in reverse order. Correct me if I'm wrong, but I think that backwards time travel would require a hypothetical "negatic energy," which doesn't exist.

You can't dismiss it as much more than guesswork.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by z310 on Thu, 02 Oct 2003 03:46:42 GMT
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ok first think about the sun..all stars go out at 1 time...when do u think ours will after we harness that power dought it

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Crimson on Thu, 02 Oct 2003 04:46:08 GMT
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Umbral_DelaFlareThis will be a long post. You have been warned.
...Wow my fingers ache. Send in your speculations. I'll respond to them as soon as I can.

Didn't you take that from "The Time Machine"? He built the time machine because his fiancee died and he wanted to go back and stop it from happening... but she was destined to die and he realized that no matter what he did, every time he went back, he'd watch her die, one way or another.

Here's my theory... it's not a belief, just a "what if".

You never die. Not to you. Any decision you make, conscious or not, could cause you to die. If you do die, time splits to two dimensions. You, your consciousness, follows the one where you live, while your friends, family... in that timeline, grieve your death and time goes on without you. This happens an infinite amount of times for every person. It boggles the mind. In your own mind and consciousness, you live to be some age then you start over.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Blazer on Thu, 02 Oct 2003 05:00:02 GMT
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I'd love if we understood the nature of the universe, but lets face it. There are many many areas of our own planet (the ocean depths, mountains, etc) that man has never stepped foot on or knows what is there. Species yet undiscovered, and we don't even understand how our own brains work. I think we as a race are not yet ready to go exploring the universe, other dimensions, etc. Sure we all watch star trek* and think thats how it is and it all seems possible...but the sad truth is we can't barely even break orbit of our planet with a projectile using thousands of pounds of chemical propellant, much less create warp fields and all the stuff that would be required to explore space.

The future holds much mystery...I hope to be around to see some of it unlocked.

* By "watch" I mean have seen it, heard of it, whatever...if you reply and say OMG I DONT WATCH ST I will just slap you silly.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by boma57 on Thu, 02 Oct 2003 11:27:31 GMT
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Blazer...we can barely even break orbit of our planet with a projectile using thousands of pounds of chemical propellant.

As far as that goes, it appears to me that we're going about it the wrong way...

Just step back and look at it for a second. We're here, and we want to get up there. Doesn't mass packing fuel so we can physically force an object up and out of the atmosphere seem like the 'hard way'?

As an example, in the 1500s, man wanted to get across the Atlantic. What did we do? We built ships that physically pushed their way through the water and made it across the ocean in a few months time. What do we do (for the most part) now? Take a plane and just go over the ocean in a few hours or days time.

But hey, I'm not claiming to know a better way to travel in space, I'm just saying that if a few minds greater than mine sat down and thought about it for awhile, they would come up with something eventually. And I'm sure they will...eventually.

John Shaft Jr.Now how did I know Taximes was going to answer this first. I said it was going to be Taximes or Infinit.

Well, I'm glad to have the board stigmata of "loony nut who replies to all the weird space/time threads"

Seriously, though, I do love trying to wrap my mind around things like this

---

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Deactivated on Thu, 02 Oct 2003 11:32:57 GMT
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Sooner or later, time vill tell.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Scythar on Thu, 02 Oct 2003 12:49:42 GMT

To quote myself:

Quote:We don't have destiny. Every instant in our everyday lives leads to an infinite amount of "paths" which we continue to live. It might be possible to go back in time, but if you change something there (which is inevitable) then that time takes another, completely new, path, which you can only experience by living that same time. In the time where you came from, everything is normal, and your actions in the past have changed nothing.

Here is something I drew with Paint....(lol)

http://www.n00bstories.com/image.view.php?id=1077728031

Every path will lead to infinite number of paths, which will again lead to infinite number of paths and so on. If you go back in time, you go back in that tree-like structure as in the image....but when you change something in the past you're in, it takes a new route from the spot you're in, but all the other routes remain the same.

Take the picture for example. If you go from spot 1 to spot 2, you just create another timeline, and ONLY that timeline has been modified by your presence. Note that also that timeline spreads, and your actions will affect all the timelines spreading from it, but you will not change the actual time you were originally in...

Phew, so complicated to explain, but that's my 20 cents.....

We were discussing about traveling in time there, but it explains my beliefs of multiverse too.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Blazer on Thu, 02 Oct 2003 16:35:33 GMT

TaximesBlazer...we can barely even break orbit of our planet with a projectile using thousands of pounds of chemical propellant.

As far as that goes, it appears to me that we're going about it the wrong way...

But hey, I'm not claiming to know a better way to travel in space, I'm just saying that if a few minds greater than mine sat down and thought about it for awhile, they would come up with something eventually. And I'm sure they will...eventually.

Yep...I don't see it happening though unless we can figure out a way to defeat that beast known as gravity

---

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by EnderGate on Thu, 02 Oct 2003 16:48:41 GMT
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Albert Einstein
If one could just go fast enough, one could arrive at a destination BEFORE one left.

that object. The problem for us is that mass increases as velocity does (mass and velocity are directly related). As well, the larger the mass, the more energy required to move said object.

Man currently has no grasp or comprehension of the intrigue of the space/time continuum. Consider, if one left earth on a light speed trip for a year and came back to earth. They might very well find 100's or years have passed here on earth, while only a year has passed for the traveler. Humans anchor time to the rotation of our planet around the sun, gauge it by age as time passes. We have to learn to see time differently. As a fourth dimension, which we do live in. x,y,z, &

simple minds consider the possibilities.

Black holes are so dense and have such large masses that not even light itself can escape their gravitational force.

Plus, we are only immortal for a limited time. (Neil Pert)

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Cpo64 on Thu, 02 Oct 2003 17:54:02 GMT
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Albert Einstein
If one could just go fast enough, one could arrive at a destination BEFORE one left.

"The theory of relativity has been proven." "[I]f one left earth on a light speed trip for a year and came back to earth. They might very well find 100's or years have passed here on earth, while only a year has passed for the traveler."
You contradit your self if the "Theory of Relativity" was proven, it would bit the Law of Relativity, And if it is true, travaling at the speed of light, no time would have passed for them.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by EnderGate on Thu, 02 Oct 2003 19:17:48 GMT

EnderGate

Man currently has no grasp or comprehension of the intrigue of the space/time continuum.

I am human, and stake no exception in this, there is more that we do not know than we do. Keep an open mind was my point. My intentions are not to persuade you. Remain a non-believer. The facts are there. And yes, one would have to travel faster than light to go backwards in time,

has been proven that velocity and mass are directly proportional, where as velocity and time are

Fact is, if there are billions of galaxies, each with billions of stars, making up billion of trillions of celestial bodies as orbital. It is a possibility beyond man's comprehension. Most every lighted dot you see in the sky at night is not one little star, what most call stars in the night sky are actually galaxies, containing billions of stars and/or formations. Hubble has shown us this in the last 10 years.

1 million seconds is over 11 days.
1 billion seconds is over 32 YEARS
1 trillion seconds is over 31,709 YEARS

Get the idea of the possibilities? The odds are say 1/billion for other intelligent life, then it is out there. Probability suggests it alone. However even if we could travel at the speed of light, and if even as close as a million light years away form it/them (close in the universe, however not in time) It would take to LONG to reach them and impossible to cross paths.

StarGates or WormHoles could exist, but that understanding requires knowledge and understanding how space and time interact or fold or twist.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by boma57 on Thu, 02 Oct 2003 19:32:54 GMT

About a year ago, I wrote a paper in which I attempted to define time as a fourth axis. Since then, Ender, you're the only other person I've seen who also related time to the XYZ axes

Quote:When looking at a two dimensional coordinate plane, you have two factors that account for

dimensions in the coordinate plane, and thus it is two-dimensional. However, when you add another dimension, you have more to account for when relating position as it becomes a three-dimensional space. When working in space, the added dimension is the z-axis, more commonly known as height. The same as when working in two dimensions, you must know the

The axes represent each dimensional value required to locate and assign a position to an object. Because we can only see three dimensions, we assume that our world is three-dimensional, and therefore we use three axes. This, however, is not the case.

An object may physically exist in but three dimensions, yet there is another dimension which

location, then they must account for it's fourth dynamic position: it's position in time.

But back on track with the Theory of Relativity...

I don't know how many of you have read it, or even know what it is aside from what's already been said, but it truly is amazing.

As an example, think of it like this. You're floating in a giant void, with nothing around you. Can you tell if you're drifting in one direction or the other? No, you can't. It's just a giant void, you have nothing to relate your movement to. Thus, movement is relative.

If you have another object in the void with you, say a ball, can you tell if it's moving? You may think so, but you can't. If you saw the ball drifting away, it would be impossible to prove whether the ball was moving away from you or if you were moving away from the ball.

Now let's say you have a green ball and a red ball. If the green and red balls start getting further away, can you prove whether it's you or the balls moving again? Nope.

Now, instead of adding another ball, let's add all the mass in the universe. Every last piece of matter. Just like normal, you're on Earth. Now, you jump. Did you propel yourself upwards, or did you propel everything in the universe downwards? You propelling yourself upwards seems most logical of course, but the fact is, it can't be proven, so we cannot assume it.

Further, it goes on to explain the effects of time on everything, but my fingers are aching now, so I'll take a break. Maybe Ender would like to pick up where I left off

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Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Thu, 02 Oct 2003 21:16:49 GMT
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I sugest we should know how to make a worm hole becouse humean kind will eventualy die out some time in unknown future but we will all DIE! The faster we learn about how we exist the faster we can go to save our race. adventualy our galixy will colide with an other or the whole sun goes boom. Learning about this plane of reality we might be able to bend it so we can continue to exist. Our Whole Existance is at stake!

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by General Havoc on Thu, 02 Oct 2003 22:28:51 GMT

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Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Thu, 02 Oct 2003 23:17:17 GMT
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I have had massive head ackes when i think about my own self. I have a body made out of millions of cells. How would we be able to compreheand our own existance with out knowing exactly how we came to be a living thing. Is it posible we are just simulations of a higher being. i quote the sims & the matrix. could we be actualy just fictional characters who are built by far more inteligent beings and could we also be in a massive non real simulation of reality like the matrix. Could we also be living the life of some one else and we are just watching one's live go bye from the first person veiw? Emagine this, we are actualy students of a humen socity set up with some kind of tech nology that sends our own soul into an other person to learn? We all might grow up to become well known people in socity and thats a reson why this is happening. Take de jah vus can u emajin that u actualy did that de jah vu event and reexperiancing ur life from ur child hood again from some kind of vurtural reality machine in a old folks home?

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by boma57 on Thu, 02 Oct 2003 23:48:28 GMT
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I'm a religious person, so I believe in a Heaven & Hell, but I'm also a very scientific person.

So, I've thought about a "scientific" afterlife more than once. As far as science knows today, the only thing making up our memories are electric signals.

The Law of Conservation of Energy states that energy cannot be created or destroyed, only changed. So, when you die, what happens to the energy that was making up your memories? It leaves. It enters the energy field of the universe until it's needed again.

When is it needed? Well, the birth of something is just one minor event that would require energy. I'm sure you can think of millions of other things, so I'm not going to list them...but anyway, it makes sense as far as I'm concerned. It's frightening to believe that once you die, though, you're just...not. You're old energy is dispersed and being used in some form or another, but you're not concious.

Heh...lot more complicated than "Death = Heaven or Hell", eh?

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by burnt_out on Fri, 03 Oct 2003 06:34:06 GMT
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hmmm. where to start .. i've been up for a while now so, i'll start out slow.
ok, traveling at the speed of light has a whole mess of problems that have to be delt with , first we have to figure out how to do it of course. but then what compounds should be used to make the ship it' self ?how would it be powerd? how much fuel ,or even food and water would you need to have to travel , say 5 million light years , if time is relitive , and like what was said in an earlier post , if you did travel that far and at the speed of light and a 100 years has gone by on earth and only say a month or two went by in the ship i guess has far has planning the food and water . you would only need take enough for that month or two ...same would go's for the fuel needed , and as far as i know there is no set mathmatics to figure that one out yet. and it would be a real bummer to find out that you didnt ad it up right and your still a 1/4 millon light years away from earth with no food,water,or fuel
another problem is you dont just get in a ship that go's at light speed and say "ok we are going to that stars solar system" get in ,put your seat belt on and take off. you have to map out a path , or in this case a computer would and for the most part the computer could do that if all the info about the big stuff in our galaxy was put into the computer telling the computer how fast the stars and planets are moveing that are between point A and B, then the computer would know how to plot a course to where you wanted to go without running into say, a planet. 'cause at the speed of light , you just dont slam on the brakes if something jumps out in front of you.
now here is the problem , space has a bunch of junk floating around in it, from rocks and meteors the size of say a 2 liter coke cap to the size of earth.the point is the computer is not going to know about every thing that might be in the way . now im thinking if your ship is cruseing at light speed or better , and it hits a rock of solid metal the size of say your car or even smaller , your going to be a part of all that junk floating around out there.
well i could go on , but i think you all get the point here , there is alot more to figureing out how to go the speed of light then just figureing out to make something move that fast,
so if there are "worm holes" and maybe ways of" folding" "or "bending" time or space ect.. i think that might be the better way to look at long range space travel.or at least incorperate that into traveling at high speeds.
now think of this ... if you think like i do and KNOW there has to be other life out there. and because we know how long are our planet ,galaxy ect.. have been around. then i also beleave there are beings out there that have been around alot longer then we have, why havent we seen THEM yet ? or heard them yet with our big radio disc that do nothing but listen space. "disstance" this will be my last point...."disstance". even at the speed in witch radio wave travel the fact is we have only been puting strong radio waves out for 75 years witch means they havent gottin anywhere yet. because of the vast disstances between anything in space . NGC 3184, a large spiral galaxy is 25 million light years away from the Earth. the JSP - NGC 3486 Galaxy is 30 million, the JSP - NGC2523 Galaxy is 150 million and so on and so on. so even if we did or any other living beings could travel at the speed of light they still wont be getting very far, very fast.so for me, to think of true space travel between these vast disstances it is going to take alot more then just a ship that moves at speed of light.
ok, time to put these old bones to bed, i might come back in a few days and put my two cents in on some of these other topics that are in here too,

please exuse my spelling , Bunrt_out

hydrogen... everythings True birth mother....

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Scythar on Fri, 03 Oct 2003 07:02:48 GMT
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Yes, even if we could travel at light speed, it would still take a long long time to reach even the closest galaxies. I think we should study the center of our own galaxy first,as it's being accepted by more and more scientists every year that there indeed is a worm hole in the center of the Milky Way.

Another guestion: How relative is size? We spend huge amount of money and other resources when we study the space, not to mention that we also pollute our own planet. Maybe we're going to the wrong way? Maybe we should invent better microscopes and look "downward" into the smaller particles. For now, it seems that quarks are the smallest of them, but it's already believed that there are "sub-quarks" which are even smaller. Who knows what we'll find from below our foots after couple hundred years.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by boma57 on Fri, 03 Oct 2003 11:26:58 GMT
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ScytharHow relative is size? ... Maybe we should invent better microscopes and look "downward" into the smaller particles.

If you've ever read Michael Chrichton's Timeline, it talks about how travelling between galaxies was done with sub-atomic particles

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Scythar on Fri, 03 Oct 2003 12:02:01 GMT
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TaximesScytharHow relative is size? ... Maybe we should invent better microscopes and look "downward" into the smaller particles.

If you've ever read Michael Chrichton's Timeline, it talks about how travelling between galaxies was done with sub-atomic particles

Yeah I've read it, good book

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by wessxdog on Fri, 03 Oct 2003 12:23:18 GMT
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Travelling into the past is most likely impossible. Causality (the relationship between cause and

effect) will most likely prevent time travel into the past, as well as the second law of thermodynamics, the law of entropy, unless matter returns to original state, which, of course, defeats the purpose of travelling back in time. Paradoxes also prevent time travel (unless the multiverse exists).

The theory of relativity only allows for time travel, but it is still most likely realistically impossible (anyone here able to propose a way to travel into the past?). There is a small chance that the theories of relativity could be wrong because they are based around the speed of light being constant, and there is a chance that the speed of light isnt constant (over extremely long distances). Although parts of the theory of relativity have been proven (such as time dilation).

Although if you travelled through a Kerr-Black hole your particles may see another universe after you're crushed at the singularity.

The multiverse could possible exist although common sense rebels. This could have disturbing effects on the metaphysics of identity if there are an infinite number of characters that exist.

Ender, you should have known this, but anyway, according to the special theory of relativity it is IMPOSSIBLE to travel at the speed of light (in a vacuum), as your mass would be infinite, your length would have contracted to 0 and time would have dilated to a stop. Not to mention it would require an infinite amount of energy to reach it (which is impossible).

Travelling into the future is easy: If you travelled at 0.99999999c (c = Speed of light in a vacuum) you could travel to andromeda (the closest galaxy to us) and back in 55 years, but the Earth would have aged 4.7 billion years (if it still existed). Although travelling at those speeds, a single particle of dust would have the inertia of a planet.

And wormholes most likely exist on the plank scale forming a space time foam. You don't "make" wormholes. They already exist. All that stands in the way of travelling through wormholes are that they are really small (they can be enlarged with a lozenge that has the density of a nuetron star) and that they pinch off as soon as matter enters them (which can be solved by surrounding the "ship"with antimatter).

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by EnderGate on Fri, 03 Oct 2003 15:54:52 GMT
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EnderGate

mass increases as velocity does (mass and velocity are directly related). As well, the larger the mass, the more energy required to move said object.

EnderGate

wessxdog
Ender, you should have known this, but anyway, according to the special theory of relativity it is IMPOSSIBLE to travel at the speed of light (in a vacuum), as your mass would be infinite, your length would have contracted to 0 and time would have dilated to a stop. Not to mention it would require an infinite amount of energy to reach it

knowledge in the topic, and I respect greatly your contribution to this thread, for the topic is a religion to me in itself, but you lose my appreciation for your comment directed individually.

Here is a speech on the topic (Black Holes) from Steven Hawking, It was 34 MB, but I reduced it to 64bit, the zip is 17 MB.

You must find your own answer, I do not hold it.
I will not keep this ZIP at this location for long, 1st come 1st serve.

ENJOY!

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by wessxdog on Fri, 03 Oct 2003 21:26:48 GMT
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oh, i was just wondering why you didn't mention to anybody that travelling at c was impossible as they were all talking about travelling at c (and you seem to have a pretty good knowledge of the theory of relativity)

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Fri, 03 Oct 2003 21:34:37 GMT
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I was reading about a person who worked in a alien space ship studdys facility (still not proven but he was attacked by men wearing black 15 times so i think its true) The man said that he was backwards enginerring a alien space ship to furthur studys on propoultion on a facility called "S4". "S4" is located 5 miles away from area 51 underground. He said that in this report he read that a matterial called sumthing 15 was able to desable gravity's effect when ever small amounts of energy was pumped into it. After 3 months of studdy he found that each alien ship had 3 plates of this material. He says that aliens are able to come from there home to earth by rotating these plates in a way so that is simulates falling as a very high velosoty, but this is hard to control thats why these ships are usualy found jerking around.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by burnt_out on Fri, 03 Oct 2003 22:04:25 GMT
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If the black hole was produced by a 'vacuum' phenomenon so that it required no mass to create it, the interior is hollow and had a pretty exotic geometry where time and space switch their roles, and in some cases, time travel may be possible. But these are not 'physical' black holes...only mathematical constructs not produced by any physical process we know about.
Dr. Sten Odenwald (Raytheon STX)
NASA

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by EnderGate on Sat, 04 Oct 2003 00:23:44 GMT
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This is intriguing!

No-one can do the impossible, quite ture, however, I like to keep a positive frame of mind that, anything is possible, same thing. "Frame of mind..."

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by burnt_out on Sat, 04 Oct 2003 00:28:59 GMT
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ok , has far as this talk of black holes, inclueding your down load Ender . your thinking of black holes as having a hugh dence mass at the center of it . but, what about the type of black hole that Dr. Sten Odenwald talked about, there isnt a hugh mass that the center that you would be pulled to and become part of.
although he does say that it has an"exotic geometry where time and space switch their roles" . so im wondering what happens to solid matter that is pulled in to this type of black hole , and staying on the track of "space and time travel" i think this type of black hole would be the one that would have a chance of fullfilling that quest. or a modified version of it.
im trying to find out more about this type of black hole....

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by SomeRhino on Sat, 04 Oct 2003 01:19:22 GMT
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burnt_out ok, traveling at the speed of light has a whole mess of problems that have to be delt with...

Another rather serious problem with traveling at such speeds is that if your ship collides with even

a dust particle it would rip it to shreds... That seems to be a bit limiting on any fantasies of travelling at light speed.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by burnt_out on Sat, 04 Oct 2003 01:29:46 GMT
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well , that was a point that i had already covered and thats is why i said that the "worm hole " would have to be the way to go, as far as space travel.
ok, so far from what i have found out about these types Lorentzian wormholes, is that they are made up of "exotic matter" stuff that is repelled by gravity, rather than attracted by it. this exotic matter has less energy than a pure vacuum.
what i was reading also went on to say that time-dependent wormholes actually have two throats, one for each direction of traffic.witch would make it possable for the time traveler to return form where he came, by useing the same worm hole.
now even if this types of worm hole could be used for travel so would still have to get to them first , right ?
Quote:wessxdog: "You don't "make" wormholes. They already exist"

well, there were also talking about making them too. the problem is finding enough of the "exotic matter" to do it . but hey, there working on it aleast. that should give us some hope .

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Infinint on Sat, 04 Oct 2003 01:49:02 GMT
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IM SORRY GUYS!! That I dint get here before taxims and never had the chance to fill your mind up with useless knowledge on the strangest thing that have nothing to do with life.... :rolleyes: I had a problem with this topic only... something was keeping me out for a reason WELL NOW IM IN MUHAHAHA

So after skimming the last topic I see your talking about black holes. That just happen to be one of the most mysteries things in the universe thus my knowledge in them is vast. There are 3 main types of black holes one is the normal one with a non spinning center, the 2nd is one with a spinning center known as a singularity and the 3rd which is thought to be unexciting and only in theory a black hole that deifies every law in space and time call a naked singularity.

Before we start I want to go over some simple black hole physics, (all in theory) first when an object falls into a black hole it is striped of its chemical composition but its mass stays the same. Also is it highly probable, if the theory of time travel or dimensional travel is true, that you will not

frickin clue how to spell it) effect will also kill you almost instantly with out and infinitely powerfully

gravity shield around you, spigetyfication is a process caused by more gravity closer to the black hole then farther away, as for all objects, and it pulls your feet harder then your head causing you to be pulled apart, slowly. Also to travel though time you have to travel though the infinitely small center of the black hole, which is kind of hard to do.

First the one with a non-spinning center. These are most common and are most powerful due to its stability. These types of black hole are also the ones that have the high velocity disk around it and the jets of ionized particles at its poles. There is (in highly probable theory) one in the center of our galaxy surrounded by the numerous stars which form the massive bulge in the center of the galaxy and which helps for the gravitational pull that keeps every thing in a steady rotation.

Now onto the2nd type, not much different from the first but it less common and the neutron star was spinning erratically around an invisible fulcrum causing the center to become a singularity which is simply a revolving center that causes an infinitely dense circle, now a circle in impossible in real life because it is infinitely thin as like any 2D object thus can exist any where but as a singularity. Which leads us to our next black hole.

Naked singularities are just singularities that have been striped of their outer mass, most uncommon and due to the conditions required to make it is impossible, but then again black hole are impossible. Naked singularities literally have the power to destroy the universe by decomposing mater to nothing, also impossible, and/or creating new mater erratically. Naked singularities also have the tendency to warp space into a VISIBALE foamy substance around its ring that would look kind of like that foam calk but with lots of nooks are crannies and constantly changing.

Just to make one thing clear, all this info was from me right now so some exact details may be flawed buy the concept, I assure you, is true.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by burnt_out on Sat, 04 Oct 2003 02:43:10 GMT
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Quote: Infinint: There are 3 main types of black holes one is the normal one with a non spinning center, the 2nd is one with a spinning center known as a singularity and the 3rd which is thought to be unexciting and only in theory a black hole that deifies every law in space and time call a naked singularity.

ok then, if you say there are only three types of black holes, then how would you classify this Lorentzian wormhole , a black hole produced by a 'vacuum' phenomenon, with exotic geometry where time and space switch their roles, seemingly made up by the most part with this this exotic matter that has less energy than a pure vacuum? with out that hugh mass found in the the three you disscribed

is this not a black hole ?.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by John Shaft Jr. on Sat, 04 Oct 2003 09:47:19 GMT
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TaximesWell, I'm glad to have the board stigmata of "loony nut who replies to all the weird space/time threads"

Seriously, though, I do love trying to wrap my mind around things like this

I wouldn't call you the loony nut of the boards. Thats someone esle's job. I would call you a very interesting and intelligent person to talk to about these things though.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Sat, 04 Oct 2003 14:16:04 GMT
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If i am correct blackholes are the left overs of a dead star which emploded on its self. if all stars have a life time then adventualy black holes will destroy the universe. I belive that when god created the universe he set up this huge task for us to over come in our future so i belive that figurating a way to obliterate a black hole will lead to some kind of revoultion in our plane of existance. we have about more than a google centures to figure this out though....

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by boma57 on Sat, 04 Oct 2003 15:09:28 GMT
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TheGunrunIf i am correct blackholes are the left overs of a dead star which emploded on its self. if all stars have a life time then adventualy black holes will destroy the universe. I belive that when god created the universe he set up this huge task for us to over come in our future so i belive that figurating a way to obliterate a black hole will lead to some kind of revoultion in our plane of existance. we have about more than a google centures to figure this out though....

Blackholes don't exist forever, though, and new stars are being created all the time.

It's a cycle, just like everything in nature

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Infinint on Sat, 04 Oct 2003 16:53:10 GMT
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on.... well anyway I would classify as a black hole, a black hole draws thing in with a gravitational pull. A vacuum like that would be caused by created by the numerous particles flying around in out universe such as the neutrino which has no mass no volume and no chemical make

up so really it cant happen but they do exist and in theory in a large enough number can push an object a few millimeters though time, which is enough to make something disappear (Bermuda triangle and other areas on earth)

With this 0 energy particles there could possibly negative energy particles and maybe out elusive "dark matter" is actually a negative energy particle, I assume you all know what dark matter is, if not, its a "cloud" that seems to act like a black hole and it severely bends light and sucks it up in the actual cloud. Thus we have your non black hole negative energies.

In theory black hole do die out when there fuel runs out. Although a black hole remnants might remain and suck up any thing that comes near it, a diskless black hole. But also in theory black holes are the natural universe reseters, in which the universe slowly becomes saturated with black holes, and the universe shrinks and is reborn in a "big bang" theory.

EDIT: GunRun I believe with reasonable theory that you can destroy a black hole with a an opposite equal reactive gravitational force which would end up detonation the black hole sending all it contents to normal density into space, with would in case all objects within the blast radius like a gigantic piece of pop corn. Also since when an object is sucked into a black hole it loses every thing but its mass structure, its possible you could be releasing energy beyond comprehension, AKA the end of the universe and many universe connected to other black holes (the multivers theory)

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Wed, 08 Oct 2003 21:21:35 GMT
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acording to what i have hear'd a black hole spits out one atom every day so a black hole may last googles of years.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by TheGunrun on Wed, 08 Oct 2003 22:03:15 GMT
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Cosmic Strings
Yet another theory for how we might travel back and forth through time uses the idea of cosmic strings, proposed by Princeton physicist J. Richard Gott in 1991. These are -- as their name suggests -- string-like objects that some scientists believe were formed in the early universe. These strings may line the entire length of the universe and are under immense pressure -- millions upon millions of tons.
These cosmic strings, which are thinner than an atom, would generate an enormous amount of gravitational pull on any objects that pass near them. Objects attached to a cosmic string could travel at incredible speeds, and because their gravitational force distorts spacetime, they could be used for time travel. By pulling two cosmic strings close together, or one string close to a black hole, it might be possible to warp spacetime enough to create closed time-like curves.

A spacecraft could be turned into a time machine by using the gravity produced by the two cosmic strings, or the string and black hole, to propel itself into the past. To do this, it would loop around the cosmic strings. However, there is still much speculation as to whether these strings exist, and if they do, in what form. Gott himself said that in order to travel back in time even one year, it would take a loop of string that contained half the mass-energy of an entire galaxy. And, as with any time machine, you couldn't go back farther than the point at which the time machine was created.

Subject: Parallel Universes, Time Travel, Physics, & Meaning of l
Posted by Bearxor on Thu, 09 Oct 2003 23:54:43 GMT
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General Havoc42

Damn you. I clicked the topic for the sole reason of posting that.
