https://www.youtube.com/watch?v=w2CsO7SYwZI&t=15s

What Would Happen if There's Two Dimensions of Time? Let me Explain|

Co by se stalo, kdyby existovaly dvě dimenze času? Dovolte mi to vysvětlit| .

4 783 zhlédnutí 23. 7. 2022 #relativity #dimensions #time

I'm pretty sure we're all well aware of the three spatial dimensions we live in. However, Einstein came up with the idea of space-time. Which treats time as if it's a spatial dimension when doing calculations. Well, how is the dimension of time different from the three spatial dimensions? What would happen if there were two dimensions of time rather than just one? Let me explain!

I'm pretty sure we all know about the three spatial dimensions we live in. However, Einstein **came up with the idea** of space-time. Which treats time in calculations as if it were a spatial dimension. And how about coming up with the idea that time also has three dimensions?!!! That's forbidden?? My hypothesis presents a 3+3 dimensional space-time from the very beginning, i.e. for 42 years! And I've been presenting this idea on the internet for 22 years. http://www.hypothesis-of-universe.com/docs/eng/eng_129.pdf ; http://www.hypothesis-of-universe.com/docs/eng/eng_126.pdf ; http://www.hypothesis-of-universe.com/docs/eng/eng_117.pdf ; http://www.hypothesis-of-universe.com/docs/eng/eng_116.pdf ;
http://www.hypothesis-of-universe.com/docs/eng/eng_094.pdf ; explanation why time can have multiple dimensions
+
http://www.hypothesis-of-universe.com/docs/aa/aa_214.pdf here is the explanation t_1 ; t_2 ; t_3
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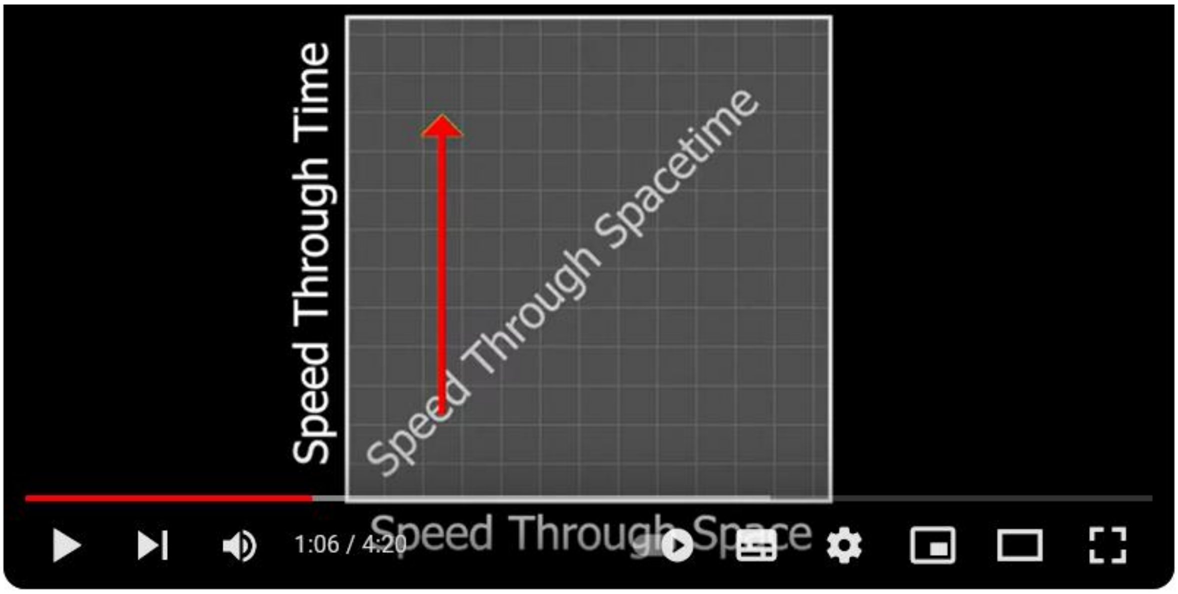
How does the dimension of time differ from three spatial dimensions? http://www.hypothesis-of-universe.com/docs/c/c_486.jpg What would happen, well what would happen would happen, that the current physics would have to be demolished and a new one built on the basis of a new idea that the universe is a two-dimensional space with a 3+3D space-time…and has simply 3+3 dimensions https://www.hypothesis-of-universe.com/docs/c/c_486.jpg ; Why is it so terribly unimaginable that the Universe (space-time) has and can have three time dimensions? That is not absurd or impossible…, The reason why it causes such difficulties is probably that physicists have decided that time is a kind of scalar or a kind of omnidirectional vector, well I don't know… if there were two dimensions of time and not just one? Let me explain!



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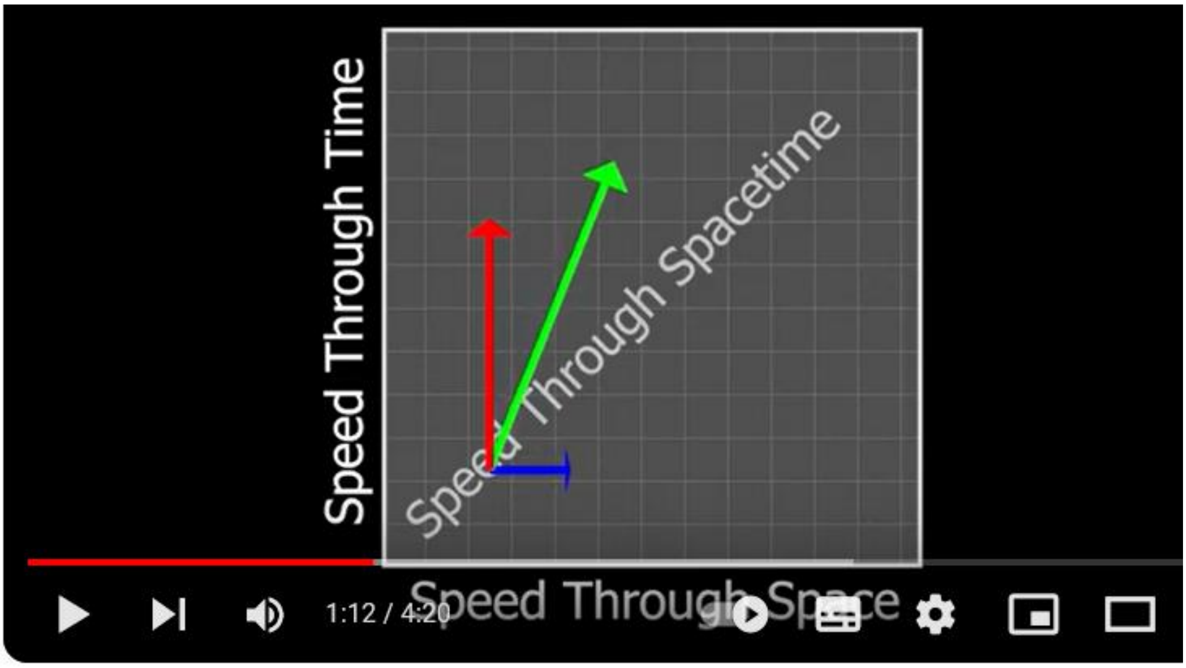

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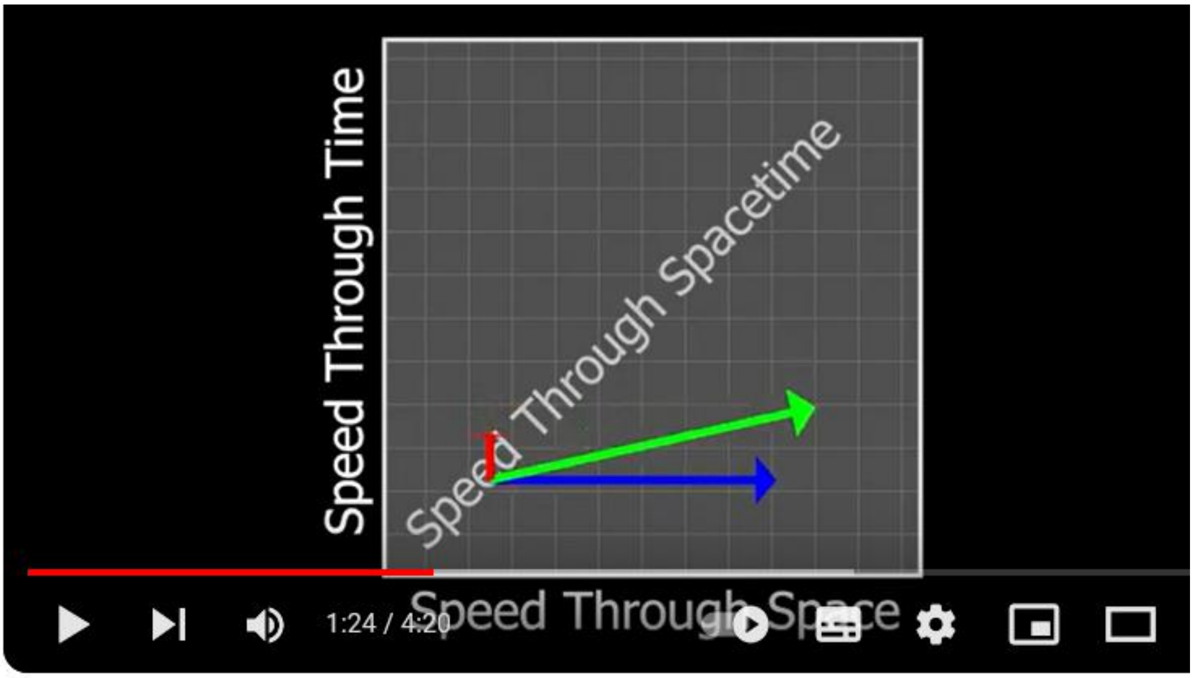

What Would Happen if There's Two Dimensions of Time? Let me Explain|⚛

0:00
(01)- Hello i'm dane and this is dain explains i'm pretty sure we're all well aware of the three spatial dimensions we live in however einstein came up with the idea of space time which treats time as if it's a spatial dimension when doing calculations well how is this dimension of time different from the three spatial dimensions what would happen if there were two dimensions of time rather than just one let me explain [Music] before i go into what adding a dimension of time would do let me explain a little bit about the concept of space-time einstein imagine time as if it's an extra spatial dimension that we can only travel one way in sort of like a one-way street rather than a two-way street then to come up with all the oddities of relativity you imagine that everything must be traveling through space-time at the speed of light at all times so if you're not moving one of the three spatial dimensions then you're moving through time at the speed of light keeping with the pace of everything else that's not moving if you move in one of the three special dimensions then to always be going exactly to speed light you have to be moving more slowly in the time dimension so the faster you go through space the slower you go through time so if it were possible to reach the speed of light which it's not for something with mass like us you would be paused in time because all of your motion will be in the space direction and none of the time this is what causes the artifact of time dilation if you're going really fast in space you're going really slow in time because you're always going the speed of light through space time so increasing your velocity in space is actually changing the angle of your vector through space-time from an all-time direction to one that has some space component the magnitude stays the same so what would happen if we added an extra dimension of time well that depends on a few things if we can really control our time vector by moving through space absolutely nothing would change that we can notice the reason for that is everything originated from the same point in the past the big bang so everything would have the same vector and time that everything else adds now if the vector of time could be changed to have two dimensions somehow if you could change your vector to

favor one dimension of time or the other all you would notice is the people who stayed in the other vector would be traveling through time at a different rate than you ironically this is the same thing that happens to spatial dimensions why because we can interact with them the moment you're able to interact with the dimensions it goes from appearing to be a timeline dimension to being a space-like one there is a side case here though if the universe had two dimensions of time that we couldn't interact with but if the particle's vector in these time dimensions started in a random direction at the beginning of the universe then different particles would all appear to be traveling through the time at different rates depending how different their time vectors were when they started basically this would be just like the first case except there would be many universes running on slightly different non-parallel trajectories in fact because of that shortly after the start of the universe as soon as the distance between the particles and the two time dimensions exceeds the width of a particle they would disappear from each other never to be seen again so that's some good evidence that if there were more dimensions of time everything in our universe is on exactly the same vector the option is every dimension we can't interact with is a dimension of space and every one of we can't interact with is a dimension of time that's why i pointed out in my previous video there could be an infinite number of time dimensions and we wouldn't even know it so what would happen if there were two extra dimensions of time nothing thank you for watching if you like this video please press the like button subscribe to my channel and dig the bell to get notified when i post new videos also please support me on patreon link in the description the more people who support me the more time i can dedicate to making videos like this one so until next time have a great week [Music]
4:20
you
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(01)- Hello, I'm **Dan** and this is Dain explaining, I'm pretty sure we're all well aware of the three spatial dimensions we live in, however Einstein came up with the idea of spacetime which **treats time as if it were a spatial dimension**, why not (?) but there are three (time) like there are space if you calculate well how this time dimension differs from the three spatial dimensions, what would happen if there were two dimensions of time and not just one, nothing rude let me explain [Music], before I get into what adding a time dimension would do http://www.hypothesis-of-universe.com/docs/c/c_486.jpg **let me explain a little about the concept of spacetime**, Einstein imagines time as if it were another spatial dimension, well, that's good...what don't physicists like about that (?) that we can only travel in one direction, in the macroworld in one direction, but in the microworld the flow-flow of time is realized without any problems even in the opposite direction than into the future. In the microworld only the interactions of objects that are built from 3+3 dimensions "live", and the interactions are linear and therefore it is not forbidden for the arrow of time to be even on ***some bit of the interval*** "in the dimension" opposite...(prof. Kulhánek agrees with this)

My view on the phenomenon, the quantity Time
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more like a one-way street than a two-way street, before it appears with all the peculiarities of relativity you imagine that everything must constantly travel through space-time at the speed of light, so unless you are moving through one of the three spatial dimensions, you are moving through time at the speed of light ? That is established and verified ?, yes? … or do you order those that move ? to keep pace with everything else that doesn't move, if you move in one of the three special dimensions, and these are what they are, and where they are , then to always move exactly at the speed of light, you have to move slower in the time dimension, so the faster you travel through space, the slower you travel through time, so if it were possible to reach the speed of light, which is not the case for something with mass like us, you would stop in time because all your movement would be in the direction of space and that is never what causes the time dilation artifact, ?? http://www.hypothesis-of-universe.com/docs/aa/aa_003.pdf if you go really fast in space, you go really slow in time, ?? (the time dimension is apparently rotated 90^0) because you are always going at the speed of light in spacetime, so increasing your speed in space actually changes the angle of your vector in space-time from the direction of all time to a direction that has some spatial component, the magnitude remains the same, so what would happen if we added another dimension of time which depends on a few things, if we could actually control our time vector by moving around space absolutely nothing would change, we can notice this because everything originated from the same point in the past big bang, so everything would have the same vector and time that everything else adds now, if the time vector could be changed to have two dimensions, if you could change your vector to favor one dimension of time or the other, all you would notice is that the people who stayed in the other vector would travel through time at a different pace than you, these are incomprehensibly decimated notions of time ironically this is the same thing as happens to spatial dimensions because we can interact with them the moment you are able to interact with dimensions, it goes from appearing like a time axis dimension to a space-like dimension, http://www.hypothesis-of-universe.com/docs/aa/aa_312.pdf here is a side case, although if the universe had two dimensions of time that we couldn't interact with, but if the particle vector particle vector?? God what is that?, they already have particle vectors? in these time dimensions started in a random direction at the beginning of the universe, then different particles would appear to travel through time at different speeds depending on how different their time vectors are.
http://www.hypothesis-of-universe.com/docs/aa/aa_214.pdf explanation $t_1 + t_2 + t_3$;
http://www.hypothesis-of-universe.com/docs/aa/aa_203.pdf dtto.

If they started, it would be basically the same as the first case, except that many universes would run on slightly this is nonsense different non-parallel trajectories, in fact, because of this, shortly after the beginning of the universe, once the distance between the particles and these two time dimensions exceeded the width of the particle, they would disappear from each other, never to be seen again, so that is good evidence, 😉 good science fiction that if there were multiple time dimensions, everything in our universe is on exactly the same vector, nonsense the possibility is every dimension we can "Interact with is a dimension of space and each of us that we cannot interact with is a dimension of time, which is why I pointed out in my previous video that there could be an infinite number of time dimensions however in a completely different spirit, in a different sense (m+n dimensions, where the first three 3+3D are physical and the next m+n are mathematical) and we wouldn't even know it. What would happen if there were two more dimensions of time nothing, thanks for watching, if you like this video, press the button. I can't... Like, subscribe to my channel and click the bell to be notified when I post new videos, also please support me on the patreon link in the description the more people support me the more time I can dedicate to making videos like this, so until next time have a great week [Music]

JN, I don't know the date of creation, the date of completion of the comment 05/18/2024

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http://www.hypothesis-of-universe.com/docs/aa/aa_214.pdf here is an explanation of $t_1 + t_2 + t_3$
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