

3+3 dimensional universe, explanation of the three dimensions of time

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Time is one of the most mysterious aspects of ***our theoretical framework*** and you know the first person I know of who wrote an interesting paper on the possibility of extra dimensions of time, it was ***Andrei Sakharov***. That was before string theory, but extra dimensions of time go back to ***Kaluza and Klein*** in the 1920s and everyone has thought about it, including ***Zeka***, it has problems,....

My reaction: Time is one of the most mysterious aspects of ***our theoretical framework*** and you know the first person I know of who wrote an interesting paper on the possibility of extra dimensions of time, it was ***Andrei Sakharov***. That was before string theory, but extra dimensions of time go back to ***Kaluza and Klein*** in the 1920s and everyone has thought about it, including ***Zeka***, it has problems,....

My reaction: The Universe has no problems, but **human physicists have problems with understanding "why" there should be extra dimensions of time**. People are fine with 3+1D spacetime..., until they understand the idea of HDV, i.e. that we need additional dimensions to understand "the creation of matter", not "from strings out of Nothing", but precisely from those three wrapped dimensions of time and lengths 3+3D.

http://www.hypothesis-of-universe.com/docs/c/c_426.jpg ; http://www.hypothesis-of-universe.com/docs/c/c_421.gif ; http://www.hypothesis-of-universe.com/docs/c/c_416.jpg ; http://www.hypothesis-of-universe.com/docs/c/c_415.gif ; http://www.hypothesis-of-universe.com/docs/c/c_411.jpg ; http://www.hypothesis-of-universe.com/docs/c/c_358.jpg ; Physicists are still satisfied with the 3+1 D space-time, because they are still captive to the idea of "scalar omnidirectional time". Why? Because here on Earth we do not observe that time runs **at different rates** in three axes.... We observe "practically" the same time

$t = t_1 = t_2 = t_3$, e.g. e.g. one hour

$t_1 = 3600.0000000032$ seconds ; $t_2 = 3600.0000000030$ sec. ; $t_3 = 3600.0000000030$ sec. (I made up the numbers 32 or 30 for the sake of explanation), although we know that in many physical situations "uniform and non-uniform motion, energy changes", etc., the passage of time is different, e.g.

$t_1 = 3600.0000000036$ seconds ; $t_2 = 3600.0000000030$ sec. ; $t_3 = 3600.0000000030$ sec.

Therefore, the "scalar" "**t**" is enough for us. The globe is "placed in space-time so cleverly" that the **pace** of the passage of time is almost the same in all three components – dimensions, or rather the differences are in the order of up to the eighth place after the decimal point. $c = 10^8/10^0$; A human being is eight orders more sensitive to the perception of **length intervals** than the perception of **time intervals**. If a Ferrari car drives along the autodrome, we will perceive its movement (after line "x") , i.e. speed $v_1 = x_1/t_1 = 250 \text{ km/h.} = 250\,000\text{m} / 3600\text{sec.}$ Transcribed into the components of the 3+3 dimensional grid, the measurement of the dimensions $>x< = 250\,000\text{m}$; $>y< = 0\text{m}$; $>z< = 0\text{m}$.

(But be careful, the earth is round and so it will be more precisely

$x = 250\,000.0\text{m}$; $y = 0.00000002\text{m}$; $z = 0.00000003\text{m}$..., practically we neglect these small values y and z) ; **also with time** t_1 ; t_2 ; t_3 ; after the measurement are :

$t_1 = 3600.000000036$ seconds ; $t_2 = 3600.000000030$ sec. ; $t_3 = 3600.000000030$ sec. (I made up the number 36 or 30 for the sake of explanation). So in the coordinate system x, y, z, t_1, t_2, t_3 , we measure changes only in the x axis and in the t_1 axis. If the Ferrari were transformed into a space rocket that increases its speed up to...up to $v = 0.8c$..),

- examples are here <http://www.ktf.upol.cz/joch/priklady/dilatacep.html> ;
https://www.walterfendt.de/html5/phcz/timedilation_cz.htm and there are others too - ...

then would supposedly dilate time on the rocket, but of course!!!! it would dilate in the 3+3D system, **only in the direction of movement !!!**, or $t_1 = 9.0$ sec. ; $t_2 = 500.0$ sec. ; $t_3 = 500.0$ sec. Which is not perceived by the rocket commander, but perceived by the Observer from the basic system and only because the signal-information arrived "rotated", i.e. it flew through a warped space-time. That is why we perceive that STR dilation here on Earth as a "dilation", but there is no dilation on the rocket, there is still $t = t_1 = t_2 = t_3$.

JN, 14.04.2024