Real Time System Relate to Time Travel for Designing Ultrafast Spaceship.

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Abstract:
This paper relate the designing issues of Real time System into the designing issues of ultra fast spaceship, the concept of ultra fast spaceship is approach by the famous scientist Dr. Albert Einstein for travel in space with light speed (3.00, 000Km/sec) which enable us to see the past or future, here five designing issues of a real time system are closely relate to the designing issues of ultra fast spaceship and all the description should made in theoretical.

Key words: Real time System, Ultra fast spaceship, Cryonics.

1. Introduction:

In This paper I am describe the matter as purely theoretical basis, this paper contain description about one idea of Einstein, that with help of ultra speed spaceship we are able to see our future/past. According to the famous theory of special relativity, time is relative to angle of observation and speed. So this paper makes an idea that for the designing of ultra fast spaceship we must follow the designing issues of a 'Real Time System'. Along with this paper contain some example which are known by everyone and many paper describe the same example for describing that we are not only able to see the past or future but also we are already see the past and know the future without relies it.

2. Is it possible to see the past or future?

Yes, it is possible to see the past or future. Different research try to prove that it is possible such as Albert Einstein's theory of special relativity is closest to "Real time travel". According to his theory if a man travels away from his twin at close to the speed of light for a period a time, when he returns (also at close to the speed of light) he will find that his twin has aged more than he has, Because all processes are chemical, biological, mechanical [1][6]. When all are constrained by the speed of light, the biological aging process of traveling twins would slow as would the clocks aboard the vehicle in which he's traveling [6]. Another method of "Real time travel" is already happening in the science of cryonics. Cryonics is commonly known as suspended animation method for cooling a living organism so that life processes such as breathing and heartbeat still occur with a very much slower pace. The organism being suspended would not be aware that time is passing and could possibly "wake up" after a long original lifespan would have been over. After all I will try to put an example through which it may prove that we are able to visualize the past or future, suppose person 'A' stand in front of a mirror then he must see his own image in mirror if he remove the eye glass then according to he remove glass it will represented into mirror but if we go through deeply then we realize that the person 'A' always

see his past image in mirror now describe how 'A' see his image into the mirror fast a light ray come to person 'A' [insert a image] capture the image of 'A' then reflected towards straight then the light ray which contain the image reflected through mirror and ray come again towards person 'A' and it will capture by eye retina of 'A' then 'A' able to see his own image in the mirror(*without light a human not able to see his image in mirror / without stand in front of mirror*), these are the steps must be followed during visualize own image in front of mirror, as we know the speed of light is 3,00,000Km/sec so the amount of time taken by the light to reach from person 'A' to mirror then again came back to eye(*it is very negligible time but still*) at that time person is may be present in front of the mirror or

2.1. How to see the past or future?

'Bus/Train travel' indicate that we have to travel in bus/Train to reach a particular destiny with a probable speed, if speed will varies then the travel mean also changed as we know if a bike travel with 5Km per hour then people says that it is a bike travel or cycle travel in opposite if bike travel with speed of 100Km per hour then people says that it is a bike travel or car travel [*for that each vehicle has a average speed in which it perform well*]. All these example shows that each travel associated with a speed and a destiny, bus/train travel indicate destiny in continental where as plane travel indicate intercontinental destiny, Intercontinental travel cant possible with the help of bus/train. Now 'Time Travel' the word define two things first one is destiny and the second one is speed, The destiny of Time travel in Past and Future and speed is light speed(3,00,000Km/sec)[5][6]. Einstein proved that time is relative so with the help of proper technology such as a **ultra** *fast spaceship*, one can able to experience several days while another person simultaneously experiences only a few hours or minutes. When the same two people can meet up again, then one having experienced days or even years while the other has only experienced hours. The person in the spaceship only needs to travel near to the speed of light. As faster they travel their time will pass as slower. Mouse is faster than joysticks and touch screen is faster than both previous two, like these *Rocketdyne F-1engine* which is used in future Saturn V vehicles

silently move but the mirror shows the previous image, It is prove that at each time we stand in front of a mirror we see our past image in the mirror. Now we have to discuss how to see the future? Let's take a simple example you just take a one rupee coin in your hand then close your hand, now question is what you see when you open your hand? Every one answered that the one rupee coin that holds previously that means you know the future or you are able to visualize the future. If you discuss another example that you sleep in your bed, the room is locked from inside then you listen a woman voice that '*beta uthjao*' wake up outside the door at that time you know that who is standing after the door she is your mother or sister you can easily know the future face after some time.

in the post-Apollo era is faster than *RD-180 engine* that used in the Evolved Expendable Launch Vehicle (EELV) and the Atlas program.

2.2. How Real time system relate with designing of an ultra fast spaceship?

Mainly for the designing a spaceship with high speed/power basically depends on four five points such as:

   i) The spaceship should Response in Real time [21] [26].

The spaceship should response in real time means that it has power to respond the event that should happen without delay of time, there is no procedure delay should be arise during generating response. For example: The response time of a power steering is more than manual steering of a vehicle, so need a better technology through which the response time should be decrease and it should not fail during the time of operation.

   ii) The spaceship has power to Recovering from Failures [21] [22] [27].

Power to recovery from failure means the spaceship has some backup plan for controlling any type of failure that may occurs in engine or communication system, for that it has contain some additional engine or most essential equipments with ready stage for take over the charge in any situation of time without any affect or delay and recovery should done in parallel way (as well as the 1st system release the jobs, The 2nd system takeover the jobs).

iii) The spaceship should able to Working with Different Situation [21] [22] [23] [24].

In this point different situation means different environment because the spaceship is design to travel in space with a very high speed so as we know each time it will enter into different environment of the solar system so at each time the space ship must be able to handle different environmental change and work properly with these unknown environment (*Einstein told that each time earth enter into its next phase that is already present in the space time with its own speed but here we travel more than earth speed to see the future before earth enter into its next phase in space time*).

iv) The spaceship has a very strong Asynchronous Communication [25] [28].

The main reason behind time travel is to know the future and aware of about the future that is possible when we able to transmit the data from future to present or present to future (*suppose our spaceship reach at future*) with a very high speed, Light speed is nature speed [6], so when we travel in light speed then data transmission should done in a very fast way and that must not be in synchronous way because synchronous data transmission require regular interval for transmission but in space the density of time will varies so we must able to communicate with the spaceship in a asynchronous way because asynchronous transmission does not need regular interval or predefine time limit for transmission.

v) The spaceship should contain Race Conditions and Timing [21] [29].

Race condition and timing is essential for travel in high speed must need that each time every units of the spaceship are ready to take over the charge and after complete the job release that as well as possible (*it is known as race condition*) and at each time the transmission of job should be done parallel way, so timing should be maintain and there is no time delay will occur, the spaceship must be work in real time.

As much the spaceship would design using these above guideline that is more powerful and efficient to travel with high speed in space. Moreover for achieving the speed 3, 00,000Km/sec it should need fully satisfying all of the designing issues, then it is known as ultrafast spaceship [22]. If we concentrate above ultrafast spaceship designing issues then all these designing issues are belongs to the designing issues of a Real time system, so it is clear that the ultrafast spaceship must be a real time system because the designing issues of both systems are same [23][27]. If the designing issues of two different entities are same then both are design for a single aim with different property.

3. Conclusion and future work:

It is not over to gathering the information about the designing issue of an ultra fast spaceship which is dreamed by the famous scantiest Dr. Albert Einstein, in this paper I just try to make a conclusion that for designing an ultra fast spaceship we must need to associate the designing issue of real time system into the designing of designing the ultra fast spaceship, when we travel in time then we must need a very high mechanisms with high efficiencies which works in proper time. If we combined all these features then it is known as 'the real time system'. In further I deeply analyze the designing issues of the ultra fast spaceship.

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