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The Effect of Gravity on the Human Spirit

Ardeshir Irani

ABSTRACT

Time is a relative phenomenon between two regions of space with different values of gravity because the rate of passage of time depends on the strength of the gravity field. In high gravity fields time slows down compared to low gravity fields where time speeds up. This implies that if one goes from living in a high gravity region to a low gravity region then one sees the future. On the other hand, going from a low gravity region to a high gravity region one sees the past. Gravity has the same effect on the human spirit as it has on the human body and on non-living things, all of which depend on the rate of passage of time. On earth the spirit in the human body is affected by the earth's stronger gravity while a spirit without a body residing in the vacuum space of the quantum region where gravity has a negligible effect that depends only on the gravity due to the spirit's mass-energy. Hence spirits in the human body on earth will age slower than spirits in the quantum world. Based on the calculated spirit's mass-energy we prove that the spirit is quantum mechanical in nature.

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I. MAIN TEXT

All spirits in the Multiverse have a limited life span depending on the life span of the Multiverse (Reference1), after which their energy is sent back into the infinite void as pure massless energy in the form of photons. Since different spirits age differently, depending on the time they reside in the classical material world or in the quantum spiritual world with its minimal gravity, implying that spirits can be recycled because of the Conservation of Energy Principle since the Energy of the spirit cannot be destroyed but it can be transformed from one form to another.

According to the Twin Paradox, one twin leaves earth in a spaceship destined for a planet near a Black Hole with very high gravity. He stays there for a few years and then returns home to earth to discover that while he is aged 5 years his twin on earth is aged 25 years. Higher gravity fields slow down time and the aging process. The traveling twin now sees the future because everything around him, including the place he was born in, has grown older. From the point of view of the stay-at-home twin he sees the past because his twin is younger, and his spaceship is a younger model of newly built spaceships.

Let us next look at the future of two twin spirits. One twin spirit decides to spend all its time in the quantum region while the other twin spirit decides to spend most of its time on earth by being born-again every time it leaves its material body for good. The born-again twin's spirit will age much slower and hence it will remain much younger due to the earth's greater gravity, and that is the benefit it gets from enduring the harsh realities of earthly existence. Its spirit will last much longer than that of its twin whose older spirit will be recycled sooner since it has aged faster. It should be noted that the life span of the spirit is much longer than the life span of the human body, and hence the same spirit can be born-again and again in different bodies, both male and female.

While the human body is classical matter, the human spirit is quantum mechanical energy. The spirit remains in the classical world while in the active human body but can enter the quantum mechanical world instantaneously when it leaves the body. This can happen while the person is sleeping or has died. According to Quantum Mechanics, quantum objects can communicate and travel over huge spatial distances instantaneously as opposed to classical objects that cannot exceed the speed of light (Reference 2). As an estimate let us calculate how much mass a human spirit carries with it when it leaves the body. An 80 kg person falling to earth from 20 m would die instantly. This would indicate that $E = 15,680$ Joules of energy that killed him from the fall has increased his energy since Energy must be Conserved, and the spirit leaving his body would carry a mass equivalent according to $E = m c^2$ of $m = 1.74 \times 10^{-13}$ kg which is an upper limit since some of the energy from the fall would go into broken bones and dissipated heat energy. A more accurate estimate of spirit mass-energy based on levitation will be discussed at the end of the conclusion section. This small amount of mass that the spirit carries with it to the quantum region is responsible for aging the spirit since it has a gravity field of its own which can be referred to as "quantum gravity" since the spirit is quantum energy.

According to gravitational time dilation (Reference 3), $(t_1 - t_2) / t_2 = (\phi_1 - \phi_2) / c^2$. A clock at higher gravitational potential $\phi_1 > \phi_2$ will run faster $t_1 > t_2$ which means time will slow down because time between two ticks of the clock becomes quicker. The time between two ticks determines the passage of time and the aging process. When time between two ticks becomes zero as in the case of photons then time stands still or does not change and hence photons live for an infinite amount of time unless they interact with a material object to transfer their energy to that object. Time slows down on earth due to its larger gravity than time in the spirit quantum world. $\phi_1 = 6.25 \times 10^7 \text{ m}^2/\text{s}^2$ for the surface of the earth and $\phi_2 \approx 0$ for the vacuum quantum region. For significant time dilation the time for light to travel from earth to the quantum region must be large. As an example, for a time dilation $(t_1 - t_2)$ of 1 second since $(t_1 - t_2) / t_2 = \phi_1 / c^2$, the distance $d_2 = t_2 c$ given by $d_2 = (t_1 - t_2) c^3 / \phi_1 = 4.32 \times 10^{17}$ meters or 45.6 light years. Once the light signal gets to the quantum region after 45.6 years the spirit can respond immediately but with a time dilation of 1 second which means the spirit will arrive 1 second in the past of current earth time. When grandfather died and went to the spirit world, he could see 45.6 years of the past earth years to relive his own youth visually. Waiting for 45.6 years he would see his own death when his granddaughter was 6 years old. He observed his granddaughter from the spirit world and noticed that she was about to step off the curb into the path of a speeding car. Grandfather's spirit instantaneously returned to earth entering the body of a person standing next to his granddaughter to pull her back to safety. Since Causality cannot be violated, whether he was able to save his granddaughter's life would depend on one of two factors: (1) His granddaughter was able to grow up in the interim 45.6 years to become a woman aged 51.6 years or (2) There exists a child's grave with her name on it. What has already happened cannot be changed or more specifically the past cannot change the future. The fact that Causality cannot be violated is true in all the physical Universe. Grandfather's example indicates that the spirits in the quantum world are not devoid of Feelings. This implies that the Energy of the spirit can carry intangibles such as Feelings, Intelligence, and Consciousness with it, qualities which all human beings have been endowed with, which implies that the spirit within the human being controls all these aspects of the mind and body. These intangibles remain locked in the spirit and begin to show up again in the born-again person to help the spirit evolve further. The further out in space you go the greater the time dilation which occurs not only due to gravity but also due to the speed of light because velocity also slows down time. For time dilation of 1 hour the distance between earth and the spirit world would be 164,160 light years. If the spirit located further out in space arrives

instantaneously to earth, after observing it for 164,160 years, it will arrive 1 hour in the past of current earth time. Whatever occurred either in the past or in that period of 1 hour due to time dilation cannot be changed by the spirit because of Causality.

II. CONCLUSION

There exist different types of spirits hovering all around us in the physical world. All spirits are ruled by the laws of nature, both classical and quantum mechanical. However, each spirit is different, just as each person has a different personality. Extreme variations in behavior, way beyond normal, for a brief period indicates that a different spirit, that may be good or bad, entering the human body has taken control of it and is responsible for causing these changes. While the person's own spirit is forced to stay dormant or leave the body, one or more spirits entering the person can control the mind and body for a brief period or much longer. As an extreme example, the movie Exorcist depicts the physical damage a troubled spirit can do by controlling the body and mind over a long period and refusing to leave on its own until an exorcism has been performed by a priest trained to perform the ritual to drive the evil spirit out. The Catholic Church refers to this control as the person being possessed by a demon. The possessed person has no memory of the cursing, trashing, and levitation that occurred during the exorcism. To levitate an 80 kg person 1 m above ground level for several minutes which has been stated to be an observed phenomenon during exorcism, the demonic spirit would have to possess an energy of $E = 784$ Joules to cancel the effect of gravity or more exactly a mass equivalent of 8.71×10^{-15} kg. This mass is smaller than Planck's mass of 2.18×10^{-8} kg (Reference 4) and therefore qualifies the spirit as being quantum mechanical in nature.

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