

HAWKING

TIME dependent creatures like our selves, would observe and experience the motion of a Planet similar to ours, spinning around an average Star like our sun, and so on.

Consequently, they would take into consideration the daily rotation of their Planet axis, the apparent motion of the Planet mother Star, the revolution of the planet orbiting the Star, the relative position of the fixed Stars, and inevitably start the usage of TIME keeping tools!!!

They would also discover Caesium-133 atomic clocks, and the law of gravitation that warps, bends, and stretches TIME (WHATEVER THAT MAY BE!!!). In fact I am confident that TIME keeping artefacts, are inevitably invented and used throughout the Cosmo, by any one species capable of mastering the concept of TIME (WHATEVER THAT IS!!!)

PENROSE

I believe TIME to be a variable perception of once Individual experiences and interactions with the physical world.

HAWKING

I do know that when I try to unify Gravity and Quantum mechanics, I always introduce IMAGINARY-TIME

I like IMAGINARY-TIME, for it allows the freedom of Moving from the present into the past, and from the past Into the future, and so on!!!

PENROSE

Stephen, do you think God's perception, of TIME could somehow be different to ours?

HAWKING

NO, I think not even GOD can afford eternal changelessness!!! For SPACE-TIME-ENERGY and Motion could not be!!! GOD himself his subjected to this eternal paradox, hence he is also subjected to everlasting changes!!!

HAWKING SPACE-TIME & ENERGY FLUCTUATIONS
or variations from the value of 1 creates endless Universes. Such large

structures may be similar to our

One or even completely opposite. Even then, such universes (in which the laws of Physics are inverted) must be subjected to the unalterable second law of thermodynamic, in which the arrow of TIME points always toward increasing Entropy!!!

Any one quantity above and below 1 and you have life, if the value of 1 is stable, you have nothingness!!! With 1 GOD himself will be Frozen in eternal changelessness of action!!!

IN OTHER WORDS GOD HIS INEVITABLY DEFECTIVE!!! AND VARIABLE IN TIME!!! HE TOO IS SUBJECTED TO THE CONSTANT CHANGES TRANSFORMATIONS AND ALTERED STATES of our world!!!

PENROSE

Yes, my dear Boy, I agree with you!!! To know the mind of GOD we will need to work out How the value of 1 became unstable, so to create Endless illusionary universes!!!

Relativity must be the key to our questions!!!

Relativity tells us that the property of SPACE-TIME Stretches under the influence of gravity, even in the Presence of a Relatively small body, like our own Planet!!!

HAWKING

Well.....Said.....Roger.....Bravo.....

The Special Theory of Relativity has been checked, Over and over again, it is a very precise science!!! Over here and over there (for us believing Physicists) Is as good as over THEN!!! For present, past and Future all coexist in 4dimensional SPACE-TIME!!!

PENROSE

Yes, I agree!!! The future is already out there for us to Step in!!! The Special Theory of Relativity states clearly that, There is no distinction between, Present, Past, and Future, and that TIME (WHATEVER THAT MAY BE!!!)..... JUST IS!!!

All TIMES are out there!!! Hence past, present, and Future events!!! That translate that there is NO FREE WILL!!!