

Guru Nanak's Principle of Assimilatory Creation

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Guru Nanak attributes positive creativity to God, as against the other theories of East and West. It starts with the creative principle (*karta*) which, to Indian tradition, is symbolized in Brahma. The attribute of God, supported by a majority of theologians in the east and west, is nonetheless questioned by the contemporary movement of process theology and metaphysics of critical naturalism. 'God does not stand outside the flow of time; nor is He the creator of the universe *ex nihilo*.' Naturalism is prepared to admit God as coexistent with the totality of nature of universe, but a perfect, eternal and transcendent God, it asserts, is an unwarranted interpretation of the religious experience of certain individuals. Guru Nanak however, attributes positive creativity to his God. God is the creator of universe with His creative mind.¹ The Creator Himself watches creating again and again, creating void from void². Creating the beings; God has installed the Righteous judge to record their accounts, where truth and truth alone is adjudicated.³

From the above we find that the Lord created the universe with One sound from the light energy. It was not created all in one go, but was a systematic growth developmental in nature. From Light of the Lord, came the sound, from sound came the air, and from air came the water. By combining air and water he created the nature. In the nature he developed the beings. These are all developmental in nature. This developmental activity continued progressively in a system. But this continuous growth and development would have caused imbalance, hence he introduced the decay, death and assimilation process which helped to regularise the change.

Mysterious Universe: Astronomers have recently boosted the dead star theory with photographs of strange moving objects in space that could be much sought after objects called Machos (massive compact halo objects). These are dark objects whose gravity could explain the motions of our galaxy's visible stars. Looking at the deepest image ever obtained of the Universe, the Hubble Deep Field, a team of astronomers from the European Southern Observatory, the University of British Columbia and the Hubble Space Telescope Science Institute, have detected five faint objects that appear to be unusual dim stars.

The astronomers compared two images of the Hubble Deep Field taken in December 1995 and 1997, and looked for any objects that moved. Any moving objects would be much closer inside our own galaxy, than the distant galaxies seen in the deep image. The stars would be only a few thousand light years from Earth, not over ten thousand million light years like the distant galaxies. It is believed that the stars are Machos moving around our galaxy in the form of a halo of old stars. These would explain the motion of the bright stars in our galaxy. The Machos are probably old, dim white dwarf stars that are almost as old as the Universe and much dimmer than during their heyday 12 billion years ago. Although the astronomers have only found five Machos they speculate that there could be several trillion orbiting our galaxy. However, the five possible Machos are not by any means the end of the puzzle of the Universe's unseen mass.

Some astronomers say that if the Universe was full of such stars it would have a higher abundance of heavy elements that it appears to have. They suggest that while Macho's may swarm around galaxies, other objects fill the space in between the galaxies and make up a sizeable part of the missing mass. These objects could be small sub-atomic particles, called Wimps (Weakly Interacting Massive Particles). So, the battle for the mass of the Universe is on, Machos versus Wimps.

Assimilation of Being: The concept of Naam is also based on energy. Whenever we recite Name, a sound energy is produced. Vibrations are produced with the sound energy. These vibrations create Electro Magnetic Force. When this Electromagnetic Force has the wavelength between 300 to 750 nano-meters, light energy is created. This is called *jyot* in Gurbani. Whenever the frequency of the energy created by the human being gets matched with the frequency of the light energy of the Lord, the assimilation of the two lights takes place and they become the same⁴. To counter this growth activity, the Lord started this elimination and assimilation process. He set the development cyclic in nature through aging process. Every creation was tied to the time. It lives for a particular period and then dies. The change has been regular and systematic, matching with time and space. He has the regulatory control through His Light in the form of spirit and watched every being from inside. The beings continue in the cycle of birth and death till they get emancipated through His Name. Once they get assimilated, they are saved from further transmigration. It is thus assimilatory. The Lord will continue this cyclic development till the entire universe is assimilated. Once the game with this universe is over He may create another universe as per His will as nothing happens against His will.

Nicole, author of *Return to Harmony: Creating Harmony and Balance through the Frequencies of Sound*, is the creator of the sound wave energy technology (vibrational frequencies). According to her, "the matter is organized by waveforms and frequencies. We all know that if we have two violins that are tuned exactly the same and we pluck a string on one of the violins; the plucked string will produce a field of sound energy, that will trigger the other violin's matching string to begin to vibrate, and produce the same sound. This is called "resonance," and it happens naturally. Resonance is a basic principle that affects everyone and everything, all the time."

This scientific explanation goes well to explain the theory of creation of universe as expounded by Guru Nanak. However this theory is evolutionary, or developmental, in nature and must be called as developmental-creation as such. We have seen this aspect further in the theory of Creation. The process thus can be called as **Developmental Assimilatory Creation**.

A pair of studies published in the journal *Nature* on July 15, 1998, describe developing "starburst" galaxies observed for the first time in patches of space at least 11 billion light-years from Earth.

The galaxies were detected indirectly, by energy emissions. They cannot be seen by optical telescopes because they are camouflaged by dust that is characteristic of galaxies in their early stages of development.

With potentially so many young starburst galaxies out there, astronomers may have been drastically underestimating when galaxies started forming and the rate at which they formed. Up to now, astronomers believed, a peak period of galaxy formation occurred when the universe was 8 billion to 10 billion years old. (The universe is thought to be 13 billion to 15 billion years old.) But this newly observed burst of galaxy formation may have occurred much earlier--perhaps when the universe was less than 2 billion years old.

"The question as to exactly how far back in time this has taken place has still some uncertainty associated with it," said Robert Williams, director of the Space Telescope Science Institute in Baltimore. "However, the basic interpretation should be correct."

Also, this stellar 'baby boom' may have peaked at a rate five to 100 times greater than previously estimated, the researchers said. The findings may prompt astronomers to rewrite some early chapters in the story of the universe.

The studies were conducted in 1997-98 with the Sub-millimeter Common- User Bolometer

Array, or SCUBA. The instrument, developed by the University of Edinburgh, is mounted on a 15-meter telescope at the Mauna Kea observatory in Hawaii.

SCUBA has detectors that make the most rapid and extensive measurements of invisible far-infrared light from deep space. The very dust that obscures the young galaxies absorbs heat from the new stars and re-radiates it in faint, longer wavelengths that SCUBA picks up. The Royal Observatory scanned a portion of the sky known as the Hubble Deep Field.

Astronomers used the Hubble Space Telescope in 1995 to zero in on that region, which was thought to be a dull cosmic neighborhood. As it turned out, the Hubble, using a regular optical telescope and other instruments, found more than 3,000 galaxies, each containing 10 billion stars. The Royal Observatory astronomers used SCUBA to look even deeper into that portion of the sky and detected even more galaxies.

Another study, conducted by astronomer Amy Barger of the University of Hawaii and seven collaborators, including four from Japan, used SCUBA to look at other patches of the sky. (July 15, 1998 (AP)) The Hubble Space Telescope has picked up light from galaxies that formed just after the dawn of the universe, spotting parts of the universe that could be 12 billion years old. They are so far away it has taken their light 12 billion years to reach the telescope, which orbits the Earth. "This is just our first tentative glimpse into the very remote universe," Alan Dressler of the Carnegie Observatories in Pasadena, Calif. said in a statement. "What we see may be the first stages of galaxy formation. But the objects are so faint that their true nature can only be explored with the advanced telescopes of the future." The orbiting telescope took what is known as a "long exposure" look into the darkest reaches of the universe, using an infra-red spectrometer and camera. The lens stayed open for as long as 36 hours to gather the faint light coming from the galaxies. They got a picture of more than 300 galaxies. Some had been seen before, but others were new to the astronomers.

Looking into the depths of the universe helps astronomers calculate how old the universe actually is – they still do not know for sure – and how it began. That information might help them determine how, or if, it will come to an end. The Hickson Compact Group 87, made up of one large spiral galaxy, an elliptical galaxy and at least one smaller spiral, are shown in a June image engaged in an intricate "dance" orchestrated by mutual gravitational forces acting between them. But the dance will end in the next 500 million to billion years, said Jane Charlton, an astronomer and astrophysicist at Pennsylvania State University. "What you see is not all you get," she said. "You would think these things are moving around and not colliding, but in fact there is dark matter around them suffering dynamical friction. So they are being slowed and that is going to cause them to fall in to merger."

Over time, gravity will tug gas flows between the adjacent galaxies to the point where they crash into one another. Dark matter is invisible, but math models correlating speed and mass indicate that there is "missing mass" in the system that astronomers believe is dark matter or some tiny sub-nuclear particles. The Wide Field and Planetary Camera 2 on NASA's Hubble Space Telescope provides a much better image than any ground-based telescope imager could. Each month or so, the Hubble Heritage Team makes public a stunning image like the Hickson group, purely for aesthetic reasons. But there usually is a scientific story that can be told just by looking over the image. (Washington -October 9, 1998 – Nando)

Guru Nanak was, however, very clear that it was beyond anyone to have the knowledge of the origin of the universe. He said this in Japuji Stanza 21:

"None has power to ascribe, A Proper date, place or time.

Year, month or season, when, Providence created each clime.

Author of Vedic texts, And those of the Quranic lore.
However learned they be, Could meet success no more.
No mortal, no sage, no seer, This secret could ever find.
None but God our only Lord, Can have an all knowing mind⁵.”

From this answer, it is clear that it is futile to find out the date, time and place of the creation. None other than the Creator can rightly know about it. Even if we take the calculations done by the scientists, where is the check to confirm this. The information becomes intelligence if it is cross checked by other most reliable source. When we know that these are mere guess works how can be depend upon them. The new scientific theories have already proved that the measurements processes involved by the scientists are not correct. More so when the new theory of light does not give a fixed speed of light but a varying one. Any measurement done with the varying speeds of light will certainly give inaccurate results. Further no one can catch the time and place backwards to find the actuality. Without this everything done will be mere guesswork. This is clear from the varying range of creation/evolution given in the table from 10,000 years to 20 billion years.

The last question in the 'w' line is **'Why did God create the universe?'** Creation is His pleasure and His sport, which He Himself witnesses, and when He rolls up the sport, He is sole Self again. He is thus both the Creator and the Destroyer⁶. He permeates it to enjoy His Creative genius⁷.

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