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SEMINAR INTERNATIONAL DEVELOPMENT I: FRACTAL TIME

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I-Introduction

“And [mention, O Muhammad], when your Lord said to the angels, Indeed, I will make upon the earth a successive authority. They said, Will You place upon it one who causes corruption therein and sheds blood, while we declare Your praise and sanctify You? Allah (GOD) said, Indeed, I know that which you do not know.” [1]

God created humankind on Earth for two reasons, the first for worship Him alone, and the second for the development, and use of the earth to the fullest extent.

Then God made death inevitable on all creatures, after death, God made the Day of Resurrection, which is also the Day of Judgment (Doomsday), in which God will judge all creation for their good or evil during their lives in the earth.

God did not leave humans working in the earth on their own, but sent for them guidance as messengers and prophets, to show and lead them to the right path, which He drew to them and gave them the holy books that approach to God and his right way for the good of the earth and mankind and everything created by God without injustice or detract from the right one.

On the planet Earth, man saw the natural phenomena around him from earthquakes, volcanoes, mountains, rivers and seas, floods, the cycles of the night and the day, the succession of seasons and the fluctuation of heat and cold. He (mankind) saw in the sky, the appearance of planets and stars at different times, and began to worship some planets

and other natural phenomena around him, as an example, ancient Egyptians worshipped Sirius Star, for its appearance was related to the flooding season of the Nile, which meant to them work and prosperity. [2] The Assyrians worshipped the Sun, while others worshipped the moon, fire, cows ...Etc.

Ancient ancestor, linked the positions of the stars in the sky with imaginary lines. They formed many constellations and they named it after famous animals and insects, like Taurus, Leo, Aries, and Scorpio or after famous names such as Virgo; The Zodiac circle was divided into twelve sectors each of 30° describes the movement of Sun, Earth, Moon and the other Solar planets and their alignment with the constellations in the sky. Man became linked in his life and fate to these constellations and the times of their appearance, thinking that they help him to have control on earth resources. To the present day, inspite of with the scientific progress achieved by man and the advanced civilization we are in, we find those who believe in the constellations and alter them in their lives as the source of happiness or misery.

Gregg Braden, in his book, Fractal Time, predicts the demise of the world according to the calendars found from the heritage of ancient civilizations such as the Mayans, whom are believed as masters of time; according to the Maya calendar calculations will be at winter solstice December 21, 2012 A. D. [3]

The current life span of the Earth and the solar system, which is mentioned in the old Indian epics and the ancient traditions of the ancient American peoples, reached the end of this cycle, which is estimated at 5125 years according to the Mayan calendar, knowing that there have been four more cycles and there are signs of this end, Such as resource shortages, climate variability, sea-level rise and the melting of polar ice. The end of this

session is a prelude to the birth of a new cycle of time, according to the Mayans Prophecies. [3]

The Hopi in ancient America, whom are believed as masters of space, also have their prophecies on the end of the world; they said that three cycles of time were found before this current cycle, and were destroyed by fire, ice and flood respectively. Their prophecy for the end of the universe is related to the actions of man against the Mother Nature.

“There will be earthquakes and floods causing great disasters, changes in the seasons and in the weather, disappearance of wildlife, and famine in different forms. There will be gradual corruption and confusion among the leaders and the people all over the world, and wars will come about like powerful winds. All of this has been planned from the beginning of creation”. [4]

The Prophecy of Mohammad The Prophet Peace be Upon Him (PBUH), concerning the signs of the end of the world, says: *“The Hour (The Doomsday) will not begin until knowledge is taken away, earthquakes increase, time passes quickly, tribulations appear, and there is a lot of haraj, which is killing, killing, and until there will be a lot of wealth among you and it will become abundant”*. [5]

The reason behind this tragic end of universe, according to Braden, is that the solar system is closely aligned to the center core of the Milky Way Galaxy, which causes deviation of the magnetic flux of earth and other planets in the solar system. This change in magnetic field flux is responsible for the change of natural phenomena of natural disasters, climate changes, and on the moral and social behavior of human beings. [3]

In his book, *Fractal Time*, Braden describes the events in universe as time cycles and they occur in a certain pattern, the end of each cycle is the birth of for a new cycle, and sometimes the cycles may overlap. He hypothesis that, if we know the beginning date, the end date of a certain time cycle and the date when the first event (seed event) occurs, either good or bad, in the cycle, then we can calculate the points at which the events will repeat again. [6]

Although Braden applies his time code calculator on events happened to him and to the Americans, he believes that all mankind are from the same source and hold the God Code in their genes; [7] Braden is the first to say that if we know our past we will expect our future, and we should learn from our mistakes.

This essay will analyze the book of Braden, *Fractal Time*, which talks about the end of the world in 2012 A.D. according to Mayan's beliefs, as well as the presentation of what he found in his research in previous civilizations about the signs of the end of the world, and to find the impact of these findings on the current and future world development.

This article also seeks to introduce global development through what Branden presented in his book and linking it to religious beliefs and teachings.

II – About the Author

Gregg Braden was born in New Mexico in 1954, when he was at age 11, he saw the first fracture of his family, when his father left the house ending his marriage. He worked hard to prove himself and to save for his education. He worked for Martin Marietta Aerospace as the Senior Computer Designer and as Computer Geologist for Phillips Petroleum, he was the first Technical Operations Manager for Cisco Systems. He travelled into many

countries seeking knowledge from the monasteries of ancient civilizations such as ancient Egypt, ancient Maya in Peru and Tibet, he wrote his famous book “Fractal Time”, which became the best seller; He has many books such as The God Cod, The Divine Matrix and The Spontaneous Healing of Belief. He was considered as the best seller author by New York Times. [3]

III- Braden findings

From his observations in what he found of the ancient civilizations of Egypt, Maya, Hopi, Aztec and Veda, Gregg Braden says that “we are at the end of time” [3]. This time cycle, we are in the fourth era of the universe, which began in 3114 B.C. and will end in 2012 A.D. It explains that the time passes in a cyclic pattern, each cycle is calculated as 5125 years according to the Mayan calendar, may vary with a few years in notes Aztec or Vedas.

Gregg Braden, a famous computer engineer, feels like a normal person when he comes over social, political and economic crises in the world. He declares that we can learn from our mistakes from the past to improve our future. Our ancestors warned us on what will happen in the universe, through what they have engraved on their simple calendars, we have the opportunity and the modern technology to warn our coming generations. He must point to something powerful or super power that threatens the world with annihilation, as our ancestors thought when they were watching floods, meteors, earthquakes and volcanoes. Gregg Braden did not hide the pain he felt after he heard about the terrorist attack on the two towers of World Trade Center in New York On September 11th 2001 A.D; it was a turn point for him to start looking for a reason or reasons for what happened and connecting threads together; he concluded that what happened in America in 1929 A.D. when the economy collapsed and the attack on the USA Navy in 1941 A.D. The

events of September 2001 are only repetitive cycles of the same pattern, as he came out with his idea of the time code calculator.

Braden used what he called Time Code Calculator and the Golden Ratio, phi, which can be defined as follows: *“Two quantities are in the Golden Ratio if their ratio is the same as the ratio of their sum divided by the larger quantity to their sum”*; [8] for example: If $a > b > 0$: Then $(a+b)/a = a/b = \phi$ ($1/\phi$) = 0.618; this ratio was used by Egyptians in building the great pyramids.

The Golden Ratio was used in many mathematical, economical and architecture applications. “A 2004 A.D. geometrical analysis of earlier research into the Great Mosque of Kairouan, in Tunisia, reveals a consistent application of the golden ratio throughout the design”. [8]

“In 2010 A.D, the journal *Science* reported that: The golden ratio is present at the atomic scale in the magnetic resonance of spins in cobalt niobate crystals”. [8]

Gregg Braden, used the Golden Ratio, in his calculations for time code calculator applications; his calculations met his expectations for some events happened in his personal life, when his father left the house and he witnessed the fracture in his family. [3]

The time calculator and the golden Ratio may work well for some events and some people. Ann Ruth P. Lamug, in her essay “Seminar International Development I” “had used the time code calculator on the situation of Philippines, where religious extremists were having fight against the government, beside the corruption in some sectors of the society. She found that the time code calculator works well for certain events in the political and the economic life of Philippines. [9]

I tried to apply the time code calculator for many events happened in the history of my country, Palestine, from the British mandate on Palestine in 1923 A.D, [10] to the famous earthquake in 1927 A.D., when the cities of Jerusalem, Jericho, Ramle, Tiberias, and Nablus were heavily damaged and at least 287 were estimated to have been killed, [11] to the war 1947 A.D. and the declaration of Israeli State in 1948 A.D. and to the occupation of the rest of Palestine in 1967 A.D. [12], to the Intifada of Palestinian people in 1987 A.D. and 2000 A.D. and many other catastrophic events; the result was none of these dates and events could be a seed event to apply on time code calculator. I wonder if any other catastrophic events in The World such the siege and destruction of Baghdad in 1258 A.D by Hulago Khan, where over than 200,000 were killed and the waters of The Tigris River, became black from the disposed library books. [13], is it the cycle of time? As Braden suggests, when Baghdad was again sieged by International Allies under leadership of US army in 2003 A.D, where about 600,000 people were killed and a complete damage and destruction of the infrastructure was reported. [14]

Many examples for catastrophic events on Earth we have witnessed in our short time; “the atomic bombing on Nagasaki and Hiroshima in Japan 1945 A.D” which killed about 200,000 people in three days. [15]

The explosion of the Nuclear Power Plant of Chernobyl, Soviet Union 1986 A.D, the Indian Ocean Earthquake and the massive tsunami floods after that in 2004 A.D. the forest fires in Greece, California and Denmark in Summer 2018 A.D, the Rwandan ethnic war, the Rohingya cleansing in Myanmar, the Yemen civil war, Syrian Civil war, and the list is going on.

Does The Time Code Calculator apply on these events? Did we learn from our past mistakes?

IV- Time Concept, Fractals and Time Codes

“Time is the indefinite continued progress of existence and events that occur in apparently irreversible succession from the past through the present to the future”.**[16]**

From the first day of our birth, the God’s bounty to us is our age, it is the time we are going to spend on Earth. This age is a new cycle of time or Fractal, as Braden called it; it is similar to the cycle that was before us to our fathers and grandfathers with all events and conditions they have passed. This example of time cycles is similar to the larger scale cycles in the universe. What our fathers and grandfathers left to us from their experience, also the time keepers of our ancestors from The Mayans, Egyptians, Aztec and Hopi, have engraved their knowledge and experiences about the larger cycles of the universe and the events they have met.

According to Einstein in his relative theory, time is the fourth dimension and it is relative from one place to another and from one person to another. The time for a person on Earth is different from the time for an Astronaut on the moon. This exactly what our God made it clear in His Saying in Quran “*He administers the affairs of the world from the heavens to the earth, and the report of this administration ascends (to be presented) before Him in a Day whose length, according to your reckoning, is a thousand years*”. **[17]** So if we live, for example, 70 years, as an average age, this will be only 1.68 Hours in God’s calculations; it is a short time to waste.

Braden, and after a long time of research in the monasteries of the heritage of ancient civilizations, gave a code to each set of events and similar conditions, which he called Time Codes. He arranged the twenty two codes in a way that you can't step to the next code without understanding the previous one.

Braden, who is a computer engineer, used his experience in computer programming, to develop what he called Time Code Calculator (TCC). The TCC is a useful tool to make use of the past conditions and events to know the future, it starts with the seed event date and uses the Golden Ratio in order to calculate the date of the new cycle of events.

The new cycle date, which Braden called as Choice Point, is the point where we have the choice to learn from our past and to draw the steps for our future. [3]

It is us who decide how to behave in our life and how to make use of our package of time (Age), once you are in the game, there will be no retrieve; for that in Islam, The Holy Prophet (PBUH) said: *"The feet of a servant will not touch the ground until he asked about his life and how he spent it; his knowledge and how he acted upon it; his wealth and how he acquired it and spent it and his body and how it was used"*. [18]

This means that we will not pass to heavens until we are asked about every moment in our time cycle, where we spent it and how, for evil or for good.

The Third caliph in Islam, Ali Ibn Abi Taleb, who was also the prophet cousin said : *"Whoever trusts time is betrayed by it, whoever attaches great importance to it is abased by it, whoever is angry with time, it spites him even more, and whoever takes refuge with time is forsaken by it. Not everyone who throws hits the target. When the sultan changes, so does the time"*. [18]

It is for our development and for our benefit to make use of the time cycles mentioned in the above sayings. It is not our choice to hide from events and circumstances and wait for our death. We are obliged to use our age to what our God had created us on this universe, to worship Him and to develop our life on Earth.

V- About the universe

It was believed until the sixteenth century, that “earth is the center of the universe”, [19] which was named as the Geocentric model by Ptolemy, until Nicolaus Copernicus in 1514 A.D. removed Earth as “the center of the universe”, [19] “set the heavenly bodies in rotation around the Sun in a circular orbit”, [20] he introduced Earth's daily rotation on its axis, this theory was called Heliocentric Model, his work was published after his death.

Johannes Kepler in the seventeenth century published his famous laws about the planets motion, His first law states: “The orbit of every planet is an ellipse with the Sun at one of its foci”. [21]

The Solar system is now approaching the core of the Milky Way Galaxy; “our galaxy is about 100,000 light-years wide. We’re about 25,000 light-years from the center of the galaxy”, [22] there is no doubt of the effect of this closeness on our Earth, it may change the magnetic poles of earth, or increase the heat of earth, which cause ice melts and floods and forest fires. It may change the patterns of life for Humans and animals.

Ali Mansour Kayali, a Syrian Architect Engineer and a Physicist describes the start of universe from one point and then there was a big explosion caused the universe to expanded into a conical shape, with all stars are driven to the base of that cone [23], This assumption agrees with the Big Bang Theory, which describes the start of universe from

singularity and then expanded by a big explosion causing the universe to stretch and to expand, the particles grouped together and formed stars and galaxies as we know it now. [23] This assumption about universe stretching and expansion was stated in the bible, *“Thus says God the LORD— He who created the heavens and stretched them out, who spread out the earth and its offspring, who gives breath to the people on it and life to those who walk in it”*, [24] and in Quran, God Says: *“We constructed the sky with our hands, and we will continue to expand it”*. [25]

Kayali says that the universe with its conical shape has another cone like a mirror image, the two cones are rotating in opposite direction and one day the two bases will join together, so it is the time cycle which Braden and other ancient prophecies described. [23] He also says that one day and upon God’s willing there will be a big shot towards Earth, and the Earth will be caused to rotate inversely and the Sun will be larger, [25]; this agrees with Braden about the inversion of Earth movement and hence the disturbance in the magnetic properties of Earth as we approach the core of the Galaxy.

VI- Development and Religion

In 1992 A.D. The United Nations Conference on Environment and Development in Rio de Janeiro proclaimed in the first principle that “Human beings are at the center of concerns for sustainable development. They are entitled to a healthy and productive life in harmony with nature”. [26]

The main goal of development in any society, is to irradiate poverty, which is the seed for other social and economic problems. Understanding the good teachings of religion plays the big role in improving development. In many developing countries, there is

misunderstanding to the religion teachings, Prophet Mohammad (PBUH) said “*Three things cannot be denied to anyone: water, pasture and fire*”. [27] The saying of the Holy Prophet means that the natural resources of the earth are created by God for all people, and no one can take them, whether they are individuals or governments.

The equitable distribution of natural resources is the key to development and hence to eradicate poverty and thus eliminating other social problems of malnutrition, unemployment, lack of education and health care, human rights...Etc.

Consider a country producing two million barrels per day of oil sold at \$ 50-60 a barrel, meaning that the country has a daily income of \$ 100-120 million. In Islam there is a tax called the tenth paid to the poor only, of the land's output, which means that the poor of that country, will receive daily \$10-12 million dollars. Do we still have poverty?

Look at the daily migrations from Africa to Europe. Although Africa is rich in natural resources of oil, minerals, wood, animals and agricultural production, the people there are very poor, where the outcome of these resources go to the governments that spend money on the arms race and destructive wars between the people of one people, or to armed militias, or they build towers of stone while their people suffer from poverty. The young people are forced to look for work abroad where they fall victims to drowning accidents that we hear every day and they face deportation after that.

From a scientific point of view, and according to Braden and ancient prophecies about the end of the world on Dec. 2012 A. D.; it is impossible to think of development or even to work, eat or do anything, how would you start to build a house knowing that it is going to be damaged the next day. In Islam and other religions the development of Earth is

essential in for a good faith in God and His wisdom actions. Prophet Mohammad (PBUH) says: *"If the Final Hour comes while you have a palm-cutting in your hands and it is possible to plant it before the Hour comes, you should plant it".*[28] This calls us not to surrender to circumstances and lay down until we face our fate. It is our choice to be active all the time.

Gregg Braden in his book, *The God Code*, says that we are all one family and we are related to each other and to nature, which means Earth with all it' resources, is for all humankind, no matter where you live or from where you are, development will bring prosperity for us all, as the destruction will hurt us all.

VII- Development in Palestine

Palestine, or Occupied Palestinian Territories (OPT), is a very small and poor country, it has no obvious natural resources or surface water, except Gaza strip which is adjacent to the Mediterranean Sea, which is also restricted to use by Israeli military rules. The OPT is not an Independent state, it is under the Israeli occupation since 1967 A.D. Palestinian National authority (PNA) ,was established after Oslo agreement in 1993 A.D, between Israel and Palestinian Liberation Organization (PLO) to establish PNA for five years over some parts of OPT, which will lead gradually to an independent Palestinian State [29]

The Palestinian economy depends mainly on International Aid, and in a smaller scale on internal local investments. Several Non-Governmental Organizations (NGOs) were established to help Palestinians to overcome economic and social problems with small socio-economic projects. The Israeli restrictions on all sectors of the Palestinian economy, left high rates of unemployment among youths and women, poverty in small villages and

refugee camps. The development in this part of the world will not be achieved, unless a full political and economic peace treaty between The Israelis and Palestinians. Such agreement will be the seed for further steady development steps in the neighboring countries of Jordan, Lebanon, Syria and Egypt.

VIII - Conclusion

Fractal Time for Gregg Braden, is a good book to read, where the writer spent more than twenty years of his life digging in ancient monasteries of Egyptians, Mayans and others, to prove that we are at the end time of our world.

Braden, who is a computer engineer, relied on the signs and traces of ancient civilizations, that were not based on any scientific basis, but on prophecies and superstitions of astrology, to prove that the end of the world was imminent threat.

We are now in the era of great scientific progress where we possess supercomputers, space invaders, sensitive space sensors and giant telescopes that observe every second of outer space variables accurately.

How can we draw our future on the basis of prophecies based on no scientific evidence, unless the remains of our ancestors are divine knowledge of God to warn us of what will come?

All the heavenly religions and through all the apostles say that the universe is the creation of God alone, Who alone governs His system, and He alone decides its end. We humans only have to live our lives as God wants us.

We are now in the age of globalization and the world has become a small village, what is happening in China or on an isolated island in the Pacific, heard by people of the earth all within a few seconds. I think the era of predictions and prophecies is over; what a little boy knows may be much larger than that of the elder of a tribe in the jungles of Africa or the Andes.

What is happening to us from natural disasters, wars and diseases that did not exist in our ancestors, and what we are actually practicing on the basis of social and political injustice and the looting of wealth at the expense of the poor, are the choice points to correct our way of development and redirect our concepts of justice, human right and peace.

However, one phrase or one word from a politician or military obsession destroys everything that has been built for years.

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