Abstract: The sun is a light source which has a quantity of \( \frac{1}{4} \). Light generation from the sun resembles a season. In this paper, we will discuss seasons which are extracted from nature. These seasons are the focus of a continuous action which we call exercise. Exercising in nature is a function of 0 and 1 rule. In the solar system, the 0 and 1 rule for exercising is created out of the symmetry between the sun’s heat and the Earth’s coldness on the Earth - which will in turn lead to the circulation and fluidity of seasons and water to generate the two cycles of seasons and water. (the symmetry between the Sun’s heat and the Earth’s coldness creates 0 and 1)

Keywords: zero, mathematics, horizon, season.

1. INTRODUCTION

Nature is controlled by mathematical rules and codes. The researcher now aims to discuss seasons as part of nature. Mathematics will help us with measuring each of them, since measurement is categorized as a principle of science through which we try to determine each season’s measure at \( \frac{1}{4} \). Seasons are among the most distinguished and recognizable phenomena in nature with which human beings deal throughout their lives. This is because they move forward with time, just as human’s life does. In this article, we define each season’s measure at \( \frac{1}{4} \) and to prove it we use the same equation we applied to prove water generation on the Earth. Since seasons are fluid, and just like water are functions of 0 and 1, they recur in regions where the four seasons exist. They begin with spring and end with winter. The four seasons are respectively called spring, summer, fall, and winter whose sum will create a single unified season.

A discussion resembling the present one was prepared in October 2015 in the International Journal of Current Research. We now aim to put it more simply that the cycles of water and seasons are functions of 0 and 1 which, as a rule, is called “exercise”.

In principle, a season is born from the sun and the measure of this birth is \( \frac{1}{4} \). The seasons on the Earth follow this rule and their measure is \( \frac{1}{4} \) too. The sun is a halo in which algebra happens in order to generate a light source. The origin of this algebraic phenomenon is the reflection of number 2. It was explained in the discussion over water that among the natural numbers, number 2 is a marvelous one and this marvel functions in the sun so as to generate a light resource. This wonderful power acts as follows:

\[
2+2=4 \\
2\times2=4
\]

So whenever we observe the sun, we are actually looking at a light source whose measure is \( \frac{1}{4} \) and is manifested in algebra as:

Light generation= \( 2^{-2} \)

A question may rise here as to how the reflection of number 2 functions in the Sun and a light source is born. I humbly announce that compared to this tremendous magnificence of nature, our attempts and imagination is only able to manifest
a small part of this issue which we will discuss in this paper as long as the pleasure of imagination accompanies and leads us. The picture we create is a logical one and everything the researcher says is exuded in this delight.

Introducing this discussion, I would like to point out that the cycle of seasons is quite similar to that of water and it obeys the same rule i.e., the four colorful seasons are actually on season that locates number zero, a unified continuity starts at $\frac{1}{4}$ spring and ends in $\frac{1}{4}$ winter. At this point, the beginning and ending of the movement are equal and this equalization is possible at number zero. In fact, the rule of number 1 and 0 applies on the Earth's horizon.

Number zero allows each stimulant phenomenon to return to itself and everything that leaves the planet’s surface regains itself. Water acts in a completely identical procedure (precipitation phenomenon in our planet's space and its horizon is performed at numbers 1 and 0). In the philosophy of 1 and 0, what each phenomenon does is to move away and then return to itself. It is strongly reminded that mathematics works with neology, and locating number zero allows for the permanent renewal and novation (so the art of mathematics is to teach renovating and renewing and this rule is performed by 1 and 0).

2. METHODOLOGY

On May 18, 1048 A.D., Omar Khayyam was born in Iran and lived there by 1131 A.D. He practiced mathematics, astrology, poetry, philosophy, calendar, chronometer and music. He regulated Iranian chronometer in 1079 A.D. which is a unique unparalleled one in terms of accuracy and precision. He determined the basis for his chronometer according to the cycle of seasons. In fact, the Iranian calendar is a seasons-calendar which starts at the beginning of spring (spring temperance). Since all the four seasons in Iran happen in equal quantities and unexampled precisions, Iranian calendar is certainly a matchless one that occurs at the same time as the seasons do. This calendar has largely influenced the nation’s culture and Iranian people celebrate the New Year at the beginning of spring and this celebration is called Norouz (meaning the new day). Norouz is similar to Christmas in that both are associated with a new year people celebrate. Indeed, every kind of regeneration is followed by celebration and since the Iranian Norouz is an invention of nature and the cycle of seasons, it is worth mentioning here. Today, UNESCO, the cultural sector of the UN, has officially recognized Norouz as a cultural human inheritance and achievement. The reason why we posed this issue is the fact that Norouz appears from the cycle of seasons and we are discussing the seasons in this paper.

In the introduction, we posed the issue that seasons are born from the Sun and season means rule and limit. The limit of this rule is $\frac{1}{4}$. Another scientist who studied the Sun and hence helped us with this research was the German- American Hans Albrecht Bethe. He calculated the Sun's heat generation system in 1939 and found out that 4 hydrogen atoms join each other in the Sun's nucleus and finally turn into one helium atom in a melting process. (Therefore, whenever during a process four things merge into one, $\frac{1}{4}$ of the thing remains in the process permanently).

As it was previously mentioned, the matchless reflection of number 2 works in the Sun and creates a reciprocating cycle for the Sun's gases. So it would be essential to refer to the pertinent equation again so as to achieve the desired results:

Light generation: $2^{-2}$

We now know that the sun is born out of a light source with $\frac{1}{4}$ limits which are equally shining on the planets in the solar system. However, this equalization creates symmetry on the Earth. To prove the symmetry of seasons, we must show the same order and arrangement. The order and arrangement of the solar system is as follows. The sun is initially identified as a light source,

\[
\begin{align*}
\frac{1}{4} \times \frac{1}{1} &= \frac{1}{4} = 0.25 & \text{The birth of one season in the Sun} \\
\frac{1}{4} \times \frac{2}{1} &= \frac{2}{4} = 0.5 & \text{The birth of one season in the Mercury} \\
\frac{1}{4} \times \frac{3}{1} &= \frac{3}{4} = 0.75 & \text{The birth of one season in the Venus} \\
\frac{1}{4} \times \frac{4}{1} &= \frac{4}{4} = 1 & \text{The birth of one season in the Earth}
\end{align*}
\]
As it was observed, number 1 happens only on the Earth and this is not accidental but is completely born out of order and arrangement. Numbers 0 and 1 are released from this symmetry. Number zero enters the horizon, bends it so as to protect the Earth’s fluid existence just like an umbrella. The Earth has one season which breaks into 4 parts on the basis of zero and each part continues its cycle with $\frac{1}{4}$ spring, $\frac{1}{4}$ summers, $\frac{1}{4}$ fall, and $\frac{1}{4}$ winter. Each cycle and repetition on zero is documented, permanent, beautiful and novel. Any cycle which starts at zero will finally reach another start without growing decrepit. In this cycle, ending is a reason for beginning. This is where we can praise life, since it is constantly starting. This art of mathematics is second to none, an everlasting inception whose ending is also a beginning. Our methodology is finally fulfilled using field study. That is because Iran is a four-season country whose calendar starts with spring and ends with winter which we elaborated on using Khayyam’s work. So when we live on a land where we can observe all the four seasons, we can explain its manifestation paying only a little attention. Attention enjoys priority in field and experimental studies.

3. DATE ANALYSIS

Arab people call exercising “mathematics” and this is completely appropriate. That’s because exercising leads to joy and delight and that is exactly what mathematics does. Since the only enjoyable repetition is exercising and this joyful knowledge is called “mathematics”. Life is a follower of 0 and 1 rules which is closely intertwined with exercise and the Earth’s horizon is selected as a field for exercise. The horizon is where the Earth’s face shows off and life experience repeats (in this horizon, by living we means reviving). Man enjoys imagination which functions in the zero zone. The zero zone is a place replete with delight, emotions, and love. Science is generated from a reality that coincides with pleasure. The nature, in which our life lies, introduces exercising to us in order to help us live a healthy delightful life. In the present discussion, there is no difference between mathematics and exercise.

Nature learns exercising from mathematics and mathematical exercise starts functioning with the reflection of number 2. The exercise controls a cycle which results in light generation.

Light generation= $2^{2}$

When the sun’s light source shines on the Earth, it creates symmetry with our planet’s coldness out of which numbers zero and one are released. And a field is generated for exercise in order to activate and engage each season in motion. Nature’s message for human beings is that “to live a comfortable, beautiful and tranquil life, it is essential to exercise and it is suitable to call it mathematics because enjoying pleasure and delight is impossible unless we seek help from exercise and mathematics.

4. SUMMARY AND CONCLUSION

In nature, exercise is a function of numbers one and zero and it is done in a completely mathematical way. So that everything can bear fruit. As all the seasons on the Earth follow the Sun’s season principles they have quantities equaling $\frac{1}{4}$ spring, $\frac{1}{4}$ summer, $\frac{1}{4}$ fall and $\frac{1}{4}$ winter.

By discussing the seasons, the researcher aims to explain the rule of life because seasons are closely and clearly related to life and are created in time which is more precious than anything else. The second and more wonderful option is water
which is also intertwined with life. Both of these options follow zero and 1 rule in order for their mathematical exercise to happen. The zero and one rule is the rule for the creativity of seasons and water. Since both of them are inevitable and essential to life, the research tries to indicate that zero and 1 rule applies to exercising in human life. Mathematical exercise creates joy and creativity. Number one is human himself, but zero is an extended zone in which lies desires, love, kindness, passion, and emotions. Human owns enthusiasm and imagination which function in the zero zone. Therefore, whenever his enthusiasm and imagination enters this zone, delight results which will in turn lead to the generation of science and creativity. The job of science is to measure and scientific measures are really delicate and simple. Science whose principle is mathematics originates from human’s sublime emotions which are formed spontaneously. Whenever nature organizes human emotions, his passion and love lie in the zero zone and originate from mathematics. The researcher stands in the zero zone watching and describing this marvel.

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