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Discovering relation between events in a cycle with Mathematics and a step closer to have one more module in the advanced time calculator

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Abstract

Mathematics is a formal abstract science at our disposition; its contents can be used directly or indirectly (in connection with other sciences) to understand better the functioning of things, events, beings etc. Since 2013 I have been studying about the enunciation of a formula to explain or to understand how events occur in a cycle. A cycle has a circular representation not a linear representation since the line is a continuing period with the possibilities to have continued values without uniformity but the circle has no way out and the values for cycles are uniform; for example; in the circle of the conventional daily watch there is no place for 25 hours nor 27 hours because all the angles go from 0° to 360° degrees and the process start again from the same number to know the

same ending. There was a profound believe that mathematics could deal with the explanation of the events in a daily, monthly, annual, decade, century basis etc. This article is dedicated to both the narration and explanation of the way following to find the formulae with theorems and proofs; by knowing that it is years of research, my reader will understand that the content of this article is a resume of the current data available on the subject. The content of this article is also a first step to publish some scientific information about the construction of an advanced time indicator to put events in cycle, to detect and to understand connection between events.

Keywords: Mathematics, date, time, cycle, formula, numeracy, cyclical path, period, event

Introduction

The silence that surrounds the journey to the initial state in which limits ^[1] and perfection are perceived as ideal for the survival of systems because it seems to be unfair to the components of a system not to know the field in which they can move and a point x is defined as the maximum level of scope because it represents the perfect application and obedience of the integrators but a deep thought about these two terms (limit and perfection) can raise one of these questions: Why does limit exist? What is perfection? Enough to read some information in neuroscience about the functioning of neurons to generate one of these questions; for example; we know that the visual information that reach the cortex depends on the intensity of light. The human being has a specific limit for the sensitive perception of light and sound. The human capacity to perceive the sounds is within the range of 20Hz and 20 kHz ^[2]. The fact that humans can capture sounds only from 20Hz to 20kHz does not mean that no sounds are produced outside this range. It is clear the reason why we cannot hear in the meeting room what the secretary whispers to the president's ear as its amplitude and frequency decrease during its movement in the air, it also draws attention to the fact that the maximum frequency of perception is 20kHz which means there are sounds that pass above human perception because from the beginning to the end its frequency is superior to the limit of human perception and of course the bats can perceive some of these sounds that pass above the human capacity, of course the cats can perceive these small intensities of lights and other animals the big ones. This information leads us to think about: How important are limits when our purpose is to understand the functioning of the Universe to reach this state of perfection when there are visual and auditory information we cannot perceive?

Knowing that Mathematics is critical to the advancement of science and technology; I have a profound believe about the existence of a theorem, equation, formula or/and proof to explain the way events occur in a period. Instead of analyzing the occurrence of events in a continuing period of time but in cyclical period of time, I finally found the road to convert this belief unto a scientific discovery. I first explain some finding about numbers, then the narration and explanation of the theorem to find the formulae and some exercises as proofs are the foregoing of the conclusion.

Numeracy

At the beginning are numbers and mathematics, which gives mathematics its abstract character. It is not a science based on Experimentation or the evolution of living beings. No matter where we start from, we are all agree with the fact that before the existence of the moon and the stars, the rivers and the trees there was a void space, this is one of the results of solving a problem when the result is zero and zero is the cardinal of the empty set. Zero does not have a value rather it is the negation of the numbers, for example, it is the same to say "there is zero car outside" or "there is no car outside". I will not have the opportunity to explain all the particularities of the number 9 (nine) which is extremely special, if you the reader are interested, you can consult about this number in other materials and surely in my next materials I will try to include certain peculiarities of this number.

The letters A B C D are other ways of writing the numbers 1 2 3 4, it is only a matter of conventional rules and training (the principal objective of education is to train on conventional rules and discoveries or findings which are approved). For my reader it is easier to read the declaration "Maths is easy" written in letters than in numbers "13.1.20.8.19-9.19-5.1.19.25". Maths can solve any issue at its own level then it requires the perception of a human mind or a machine to explain or apply the result ^[3].

If; for example; I tell my reader find the relationship between 9, 180, 270, 360; it will not be so easy for everyone to affirm or accept that the 4 values speak of a single unit number. To start the explanation I would like to affirm to my reader that no matter the amount of values in the existence between the minus and plus infinity, they all talk about 9 (nine) unit numbers that are 1 2 3 4 5 6 7 8 9.

1=1
 2=2
 3=3
 4=4
 5=5
 6=6
 7=7
 8=8
 9=9
 10=1+0=1
 11=1+1=2
 12=1+2=3
 13=1+3=4
 14=1+4=5
 15=1+5=6
 16=1+6=7
 17=1+7=8
 18=1+8=9
 19=1+9=10=1+0=1
 20=2+0=2
 21=2+1=3
 22=2+2=4
 23=5
 24=6
 25=7
 26=8
 27=9
 28=1
 29=2
 30=3
 31=4
 32=5
 33=6
 34=7
 35=8
 36=9

This information leads to understand the basic structure of a cycle, the disposition of unit numbers in order can lead to decode or to understand the organization of events. In this article I will use some big stories, events and people to illustrate the theorem, if I quote something about the US of America it is because it is easier to be verified by everyone then if I used for the article someone in my unknown (not famous) neighborhood. It is to affirm that these theorems have many levels of verification but we decided to use some famous examples for an easier manner to be verified by you the reader.

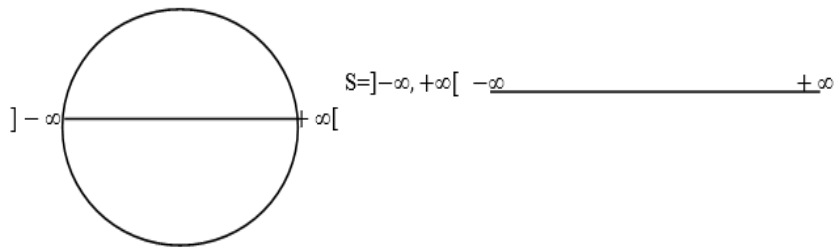
List of US president

1=1
 2=2
 3=3
 4=4
 5=5
 6=6
 7=7
 8=8
9=9(died in office)
 10=1+0=1
 11=1+1=2
 12=1+2=3
13=1+3=4(died in office)
 14=1+4=5
 15=1+5=6
16=1+6=7(died in office)
 17=1+7=8
 18=1+8=9
 19=1+9=10=1+0=1
20=2+0=2(died in office)
 21=2+1=3
 22=2+2=4
 23=5
 24=6
25=7(died in office)
 26=8
 27=9
 28=1
29=2(died in office)
 30=3
 31=4
32=5(died in office)
 33=6
 34=7
35=8(died in office)
 36=9
 37=1
 38=2
 39=3
 40=4
 41=5 (A cycle without lost)
 42=6
 43=7
 44=8
 45=9

As you can see in the list of US President in numbers for every 9 at least one of them died in office and for the last 9 presidents, this is the first time a cycle end without the death of one. Even before the end of the presidency of Donald Trump I anticipated [4] that it was going to be the first time a cycle of 9 presidents does not have one death in office because of the numbers that I have which I will explain in other article; but as a Christian with respect for The word of God I will present my observation only at a scientific level in relation with time (past, present and future).

The theorem of cyclical path

The geometric representation of a cycle is a circle [5]. When it comes to the relationship between a linear path and a cyclical path, the cyclical path (circle) is more difficult to analyze because the curves prevent the observation of the points at long distances (have in mind the image of a curved road and a straight road), it is possible that a linear path takes us to a certain point on a cyclical path. We define a linear path as the diameter of a circle and the cyclical path would be the circle itself and the limits are numbers from the minus and plus infinity. Once there is an arc all difficulties take end to anticipate next part that means other arc that constitutes the circle.



The first formula that I had with this theorem without proof was: $V = \frac{a \times b}{360 \cdot c}$

Belief and reality

Belief and reality are two of the terms that shape the mind of a scientist, a researcher, an inventor, etc. For a mathematician, reality is the result of a solution in which X takes a single and precise value of all the possibilities that exist within the range of minus and plus infinity. Beliefs occupy a good part in the minds of those who discover new information and objects. Before any scientific or objective explanation of a theory, its beginning was a belief, the common phrase of Newton and Copernicus when they managed to have a scientific explanation was the “belief in the ideas of origin” [6]. We define the inventor's ingenuity as his ability to follow beliefs away from the reality of the moment, by knowing how to limit imaginations so as not to reach a pathological level and return to the real world with something tangible in hand; that’s being resourceful. Some of the time the machine in construction receive a blow for a result of uncertainty; after a try an instant energy to throw the papers on the floor comes; all these things can happen but finishers never lose faith until they accomplish it. I wanted to enunciate a formula to understand the events in a cycle, the rescue idea to reach the fulfillment of the latter comes from the question that I asked myself: Do you want to enunciate a formula to explain the events in a cycle? Why don't you determine x (x) hypothetical cycle? I did not have enough data to determine a cycle but I remember some ideas of Copernicus and Newton among many others. Both Newton and Copernicus stated several times that their inspirations come from reading some sacred scriptures, not many know that Newton was a theologian. Of the 3,600,000 words written by him only 1,000,000 (one million) were dedicated to science while 1,400,000 (one million four hundred thousand) had to do with theology [7]. Not many know what was his source of inspiration to achieve all that he did but he always claims that he spends most of his life gaining knowledge about the sacred. Like many others when taking into account some of these statements it was not so difficult for me to obtain the missing data for the enunciation of the said formulae. We all know the frame of reference when, for example, we say 1915, 2004, 2011 and we all also understand the term "before and after Christ" in the occidental world. The idea of taking the story of Jesus as a component to form cycles was transcendental for the enunciation of these formulae.

Formulae

Some important words that constitute the formulae are year, month, day, cycle and percentage [8, 9, 10]. As we know the earth suffers some specific movement which causes the day to lose or gain hour and after every 4 years a day is added to the month of February (2012, 2016, 2020, etc.). Everyone explains the effects of the earth movements in their own way [11].

In a cycle of 2000 years, one percent is 20 years; five percent is 100 years etc. In a cycle of 2000 years, for example, from the year 30 to 2030, the 2001 is the year 11th of 99 percent, in this same cycle 2008 is the 18th year of the 99 percent. In a cycle of 2000 years starting from the year 20 to 2020, the year 2015 is the 15th year of the 100 percent. In a cycle of 2000 years starting from the first year that means the year one, the year 2005 is not part of the cycle since the year 2000 is the last year of the cycle. This part is to remind my reader about the ability to calculate percentage.

To calculate the day we first try to understand how much years the cycle has, in what year are we trying to calculating the day and what percentage then we search the month, once we find the month so it is easy to find the day.

1) $Mx \cdot y = \frac{P}{Np}$ 2) $J = Mx + t$

3) $d = \frac{(J) + (J-0,5) + (J-1) + (J-1,5) + (J-2) + Mx \cdot y + (J-3) + (J-3,5) + (J-4) + (J-4,5) + (J-5) + (J-5,5)}{12}$

There is two other ways to solve the issue of searching the day according to an easier manner but it will be without that much precision since we will not include many important fractions and value like "t" which is the value of correction based on the planet movement which sometimes cause to add or remove hour from the day and even after a specific years like after every 4 years the month of February has 29 days. The value of correction "t" is in relation with the percentage and the year. In relation with the percentage and the year because it takes value from 1 to 3. From 1 means the percentage freshly started with the first year, as soon as the years of a percentage are spending it will gradually change to the value 3.

The two other ways to solve are

➤ $d = \frac{(Y \times 100) \div C}{12}$

OR

$$\text{➤ } d = \frac{Y \div 1p}{12}$$

- D: Day of the year to search
- Mx. Y: Indicator of the month of the year
- Mx: is the natural part of Mx.Y
- P: percentage of the cycle evolution
- NP: number of the year in relation with the percentage
- T: value of correction in relation with the percentage
- J: value of January
- C: year of the cycle end
- Y: The year to search the day
- 1p: amount of years in one percent of the cycle

As examples or proofs of these formulae there is a great result just as the result of daily activities but let use some few famous events as these following ones which will make it easy for you my reader to understand and apply in relation with the verification process according to your intellectual or scientific interest.

USA’s day of independence (day, month and year of birth)

In a cycle of 2000 years starting from the year 1(The birth of Jesus) to 2000, the year of independence is 1776 (The birth of the first independent nation in the continent), so the day is:

$$d = \frac{(Y \times 100) \div C}{12} = \frac{(1776 \times 100) \div 2000}{12} = 7,4 = \text{month, day} = \text{July, 4th}$$

$$d = \frac{Y \div 1p}{12} = \frac{1776 \div 20}{12} = 7,4 = \text{month, day} = \text{July, 4th}$$

Apollo 15

Surveyor program and previous Apollo are preparations for the J mission. The J mission is the highest mission in the Apollo program for its implication is extensive scientific investigation of moon on lunar surface and from lunar orbit, Appollo 15 is the first and the mission was completed on august 7th, 1971

$$d = \frac{(Y \times 100) \div C}{12} = \frac{(1971 \times 100) \div 2033 \text{ or } 2034}{12} = 8,7 = \text{month, day} = \text{august, 7th}$$

911 World Trade Center

We are going to calculate the day with precision so we use the 3 steps of precision with value of correction. In a cycle of 2000 years starting from the year 30 to 2030, 2001 is the eleventh year in 99% of this cycle.

$$1) Mx.y = \frac{P}{Np} = \frac{99\%}{11} = 9 \qquad 2) J = Mx + t = 9 + 2,9 = 11,9$$

$$3) d = \frac{(J) + (J-0,5) + (J-1) + (J-1,5) + (J-2) + Mx.y + (J-3) + (J-3,5) + (J-4) + (J-4,5) + (J-5) + (J-5,5)}{12}$$

$$d = \frac{(11,9) + (11,9-0,5) + (11,9-1) + (11,9-1,5) + (11,9-2) + 9 + (11,9-3) + (11,9-3,5) + (11,9-4) + (11,9-4,5) + (11,9-5) + (11,9-5,5)}{12} = 9,11 = \text{Sep, 11th}$$

After the number for the month and for the day in the results, we will see some continued number 6 which will be explained in the same next article where I will present the scientific reason or proofs of why I belief that the cycle ending with the presidency of Donald Trump was going to be without the death of one in office, I had this number since the presidency of Obama.

Phoenix Mars Lander and tornado in Iowa

In a cycle of 2000 years starting from the year 30 to 2030, 2008 is the eighteenth year in 99% of this cycle.

$$1) Mx.y = \frac{P}{Np} = \frac{99\%}{18} = 5,5 \quad 2) J = Mx + t = 5 + 3 = 8$$

$$3) d = \frac{(J) + (J-0,5) + (J-1) + (J-1,5) + (J-2) + Mx.y + (J-3) + (J-3,5) + (J-4) + (J-4,5) + (J-5) + (J-5,5)}{12}$$

$$d = \frac{(8) + (8-0,5) + (8-1) + (8-1,5) + (8-2) + 5,5 + (8-3) + (8-3,5) + (8-4) + (8-4,5) + (8-5) + (8-5,5)}{12} = 5,25 = \text{May, 25th}$$

Same sex Marriage in the US of America

In a cycle of 2000 years starting from the year 20 to 2020, 2015 is the fifteenth year in 100% of this cycle.

$$1) Mx.y = \frac{P}{Np} = \frac{100\%}{15} = 6,6 \quad 2) J = Mx + t = 6 + 3 = 9$$

$$3) d = \frac{(J) + (J-0,5) + (J-1) + (J-1,5) + (J-2) + Mx.y + (J-3) + (J-3,5) + (J-4) + (J-4,5) + (J-5) + (J-5,5)}{12}$$

$$d = \frac{(9) + (9-0,5) + (9-1) + (9-1,5) + (9-2) + 6,6 + (9-3) + (9-3,5) + (9-4) + (9-4,5) + (9-5) + (9-5,5)}{12} = 6,26 = \text{June, 26th}$$

After the number for the month and for the day in the results, we will see some continued number 3 which will be explained in the same next article where I will present the scientific reason or proofs of why I believe that the cycle ending with the presidency of Donald Trump was going to be without the death of one in office, I had this number since the presidency of Obama.

Conclusion

Ideas must be shared to have better solutions in relation with the improvement of our understanding about the actual state of objects. Time indicator (Watch indicates the hour, minute and second of the day.) and time calculator are different devices for the time calculator calculates relation between events in a cycle; we can have a device with two modules to indicate and to calculate. These findings are open fields to more discoveries in science, as knowledge is growing in this area, it will lead to the construction of new devices like a daily watch which does not show only the hour but also with the ability to process some more information based on the software (advanced time calculator). I would like to conclude with the term of decreasing device. We already have some great help with the amplified device (microscope, microwave, microphones etc.), now more economical decreasing devices at the disposal of many would help to diminish the property (Frequency, intensity, etc.) of objects for perception or for a better observation^[12]. Mathematics is a formal science means in many ways there are no observed cases or there is no need to prove since it can enter into conflict with the reality that leads to a vast amount of information and incomplete works.

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