

# Mathematical Foundation of Destiny and its Application in Predicting Death Dates of Parallel Mates

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**Abstract**— The world has always been searching for answers concerning God and Destiny. This hypothesis, established on the basis of mathematical experimentation, discovers a pattern from the birth and death dates of persons living a parallel life (two persons having common life incidents). Further through logical analysis it proves that God and Destiny exist and through mathematical equations and assumptions develops an algorithm to find the death dates of people living a parallel life.

The mathematical pattern has been discovered using the birth and death dates of the two great Presidents of the USA, Abraham Lincoln and John F. Kennedy, who have very similar life incidents. The pattern obtained has been verified by another pair of persons, namely Mary Ashford and Barbara Forrest, who were born and dead at an interval of exactly 157 years on the same dates, and were murdered in the same way and at the same place.

**Keywords**—Parallel life, Destiny, Prediction, Mathematical, Experimentation

## I. INTRODUCTION

Life is forged by myths and science is our study to interpret these myths. Today what seems to be true was a myth someday, today what seems to be a myth will be the truth someday. This hypothesis tries to unravel the mystery of yet another myth: Destiny, with the help of mathematics and logistics.

**DEFINITION 1: Parallel life**— *When two persons have a great chain of events in their life similar to each other's then they are said to live a parallel life with each other.*

It might be noted that all the life incidents of the two persons might not be similar but from the very incident with which the chain of common incidents begins it would go on until their death. The idea of parallel life would become clearer when examples will be cited in the next section.

**DEFINITION 2: Parallel mates**— *Two persons living a parallel life are called parallel mates.*

Examples of parallel life:

1. The lives of U.S. Presidents Abraham Lincoln and John F. Kennedy are parallel lives.
2. The lives of late U.S. natives Mary Ashford and Barbara Forrest are parallel lives.

In this hypothesis, without any proof, it is assumed that not more than two people can have the same parallel life or same chain of events based on the examples.

A pattern between the birth and death dates of the two pairs of parallel mates was noticed which gives mathematical significance to parallel lives. Based on this pattern it is concluded that the life incidents of each person are predestined hence destiny exists. Since it is possible to interpret destiny mathematically it is concluded that destiny has been made by some person and this person when compared to the so-called life maker was enunciated as God. Further using the pattern obtained and making some assumptions which look convincing according to the results of the mathematical experimentation an algorithm is discovered which predicts the death date of the parallel mate who is born later of the two. Again applying some logical arguments other conclusions, which help in predicting natural calamities, are made.

### Brief Overview of Results Deduced from the Mathematical Pattern Obtained

1. Destiny exists for all.
2. The destiny of a person decides the circumstances in a person's life.
3. Destiny doesn't directly control the choices one makes.
4. Our actions do not change the life circumstances that the destiny dictates.
5. Both our destiny and our choices do not influence each other directly.
6. The choices made by others in their lives also doesn't change our destiny or the life circumstances occurring or about to occur.
7. The events in one's life are predestined and cannot be changed by the person's actions but his/her choices

determine the mode of occurrence of these circumstances.

8. One's birth, birth place and special abilities that one has from the very birth are predestined and one has no choice over them.
9. Birth and death are both predestined unavoidable events. The birth and death dates of a person are fixed.
10. When one tries to prevent a destined event to occur, destiny causes accidents to make such events occur in his/her life.
11. Destiny may or may not be able to influence one's decision making indirectly. One has full freedom of his/her choice of action.

The deduction of these results is discussed in detail in section VII of this paper.

Rest of the paper is organized as follows,

Section II contains the **works related to parallel lives and destiny**.

Section III contains the **facts that prove lives of Lincoln-Kennedy and Mary-Barbara as parallel lives**.

Section IV contains the **mathematical experimentation on parallel life**.

Section V states the **results obtained from parallel life hypothesis**.

Section VI describes about the **algorithm to predict death dates**.

Section VII contains a detailed **discussion on destiny and God based on the results of the experiment**.

Section VIII contains the **conclusion**.

Section IX tells the **limitations of the theory and future scope**.

## II. WORKS RELATED TO PARALLEL LIFE AND DESTINY

No significant scientific work has been done on parallel life. The 2017 Indian Telugu-language science fiction film "Okka Kshanam" ( meaning One second) directed by Vi Anand provides a perfect insight as to what parallel life is. The Hindi dubbed version of this movie was named "Shoorveer 2". The Korean thriller "Pyeonghaeng Yiron" (meaning parallel life) is also based on parallel life.

Pertaining to destiny, there have been a large number of points of view from ancient to modern era about it. Richard W. Bargdill in 2006 provided a detailed differentiation between fate and destiny, events and choices. He brought out all European mythological and historical beliefs about destiny and fate and whether God has absolute power over all or does a person have a freedom of choice in whatever he does[5]. Stephen Hawking in 2018 in his book "Brief Answers to the Big Questions" wrote , "There is no God. No one created the universe, and no one directs our fate." He clearly mentions that this is his point of view. Hawking further wrote that the universe adds up to nothing and thus has no creator[6].

Subhendu K. Das in 2013 also explained about destiny based on mathematics and physics in his paper "A Scientific Theory of Destiny"[7].

Sumeru Ray in 2021 wrote that destiny is an energy created by the Big Bang and that everything happening in the universe is predestined[8].

The world has largely been divided over the existence of destiny and God.

## III. FACTS THAT PROVE LIVES OF LINCOLN-KENNEDY AND MARY-BARBARA ARE PARALLEL LIVES

### Facts about Lincoln and Kennedy:

1. Both Lincoln and Kennedy served in the U.S. defense forces and faced a war which they won. Lincoln served in the Illinois Militia during the Black Hawk War and Kennedy joined the U.S. Naval Reserve and participated in World War II [1].
2. Both of them were first elected to the U.S. House of Representatives in '46; were runners-up for their party's nomination for vice-president in '56; were elected to the presidency in '60 and by less than a majority of voters. Both had the legality of their elections contested [1].
3. Both were involved in famous political debates, the Lincoln-Douglas debates in 1858 and the Kennedy-Nixon debates in 1960 [1].
4. Both passed major policies related to Civil Rights. Lincoln issued the Emancipation Proclamation and Kennedy put forward the proposal for the Civil Rights Act 1964 [1].
5. Both had 4 children; of which they lost two, one of which died during their presidency [1].
6. Both of them died before the completion of their Presidential term [1].
7. Both of them were shot in the head by Southerners [1]. (No offense to any community.)
8. Both were seated beside their wives when shot. Both Presidents were accompanied by another couple when shot and in both cases the man of this second couple was injured while attacking the president. In Lincoln's case Major Rathbone was slashed with a knife and in Kennedy's case Governor Connolly was shot in his back [1].
9. When Lincoln died he was sitting in box 7 at Ford's theatre and when Kennedy died he was riding in car no. 7, Lincoln limousine, manufactured by the Ford Company [1].
10. Autopsies were performed on both presidents. Both autopsies were performed by military personnel. Both Lincoln and Kennedy were buried in mahogany caskets. The bodies of both presidents rested on the same catafalque and caisson [1].
11. The assassins of both the Presidents died before a trial. Initially they were thought to be the lone gunman but later in both the cases it was found that these deaths were a part of a greater conspiracy [1].
12. After the assassination John Wilkes Booth who killed Lincoln ran from the Ford Theatre and was caught in a warehouse. Harvey Oswald who killed Kennedy ran from a warehouse and was caught in a Texas Theatre. The last name of concession operators at both theatres concerned was Burroughs [1].

13. The last name of both the officers who detained the two assassins was Baker. Similarly many people related to the two presidents playing the same role in the two cases had same last names. For example both of them had friends named Billy Graham. Lincoln's friend was William Mentor Graham, a schoolteacher, and Kennedy knew the evangelist, Rev. Billy Graham [1].
14. Lincoln's wife and two sons moved to a home located at 3014 N Street, N.W., in Georgetown shortly after Lincoln's death. Similarly Kennedy's wife, son and daughter moved to 3017 N Street, N.W., in Georgetown shortly after Kennedy died [1].
15. Both the Presidents were succeeded by Southerners having last name as Johnson [1].
16. William O. Douglas published a book entitled "Mr. Lincoln and the Negroes" and Harry Goldin published a book entitled "Mr. Kennedy and the Negroes" [2],[3].

Such facts give enough evidence that life incidents of these two personalities were very similar but there are also some major contradictions to the same. It is well known that Lincoln came from a poor family and had hardly any formal education while Kennedy was born in a rich family and graduated from the Harvard University. But from the very first incident when both of them joined military and fought a war, all other events in their lives were similar. Thus we conclude that two parallel mates might not have all the life incidents as common but when the chain of these common incidents begins it continues until their death.

**Facts about Mary Ashford and Barbara Forrest:**

1. Both of them were born and died on the same date 157 years apart. Born on 31<sup>st</sup> December and died on 27<sup>th</sup> May [4].
2. Dead bodies of both the women were found in early morning hours at the same place, Pype Hayes Park [4].
3. Both murder cases were unresolved and it was believed that both were sexually assaulted before murder [4].
4. In both cases the suspect was an acquaintance of the victim and was found not guilty due to lack of evidence. The last name of the suspect in both cases was Thornton [4].
5. In both the cases the woman had gone to a dance party recently before they were murdered [4].
6. In both the cases when the case was closed a sibling demanded for further investigation [4].

Since both of them were normal civilians only a few facts about them are known but to be born on the same date and die on same date in the same way at the same place is enough to conclude that the two women were living a parallel life.

**IV. MATHEMATICAL EXPERIMENTATION ON PARALLEL LIFE**

**Aim of the experiment-** To establish a pattern between the dates of birth and dates of death of the two parallel mates. First the pattern is discovered by the dates of birth and death of Lincoln and Kennedy and verified by the dates of birth

and death of Mary and Barbara. (Note: dates are taken in format Date/Month/Year according to the Gregorian Calendar)

**Date of Birth** – Abraham Lincoln: 12/02/1809 [1]  
 John F. Kennedy: 29/05/1917 [1]

**Date of Death**– Abraham Lincoln: 15/04/1865 [1]  
 John F. Kennedy: 22/11/1963 [1]

Now let P be a matrix corresponding to date of birth of Abraham Lincoln then we have

$$P = [12 \quad 2 \quad 1809] \tag{1}$$

Similarly let Q be a matrix corresponding to date of birth of John F. Kennedy then

$$Q = [29 \quad 5 \quad 1917] \tag{2}$$

Similarly let R be a matrix corresponding to date of death of Abraham Lincoln then

$$R = [15 \quad 4 \quad 1865] \tag{3}$$

Let S be a matrix corresponding to date of death John F. Kennedy then

$$S = [22 \quad 11 \quad 1963] \tag{4}$$

Now we call the matrix Q - P as Birth Difference denoted by  $\alpha$  then

$$\alpha = [17 \quad 3 \quad 108] \tag{5}$$

Now we call matrix S - R as Death Difference denoted by  $\beta$  then

$$\beta = [7 \quad 7 \quad 98] \tag{6}$$

Now if  $X = [x_{11} \quad x_{12} \quad x_{13}]$  &  
 $Y = [y_{11} \quad y_{12} \quad y_{13}]$

Define  $*$ :  $A \times A \rightarrow A$

(Where A is the set of all 1x3 matrices)

$$X * Y = [x_{11} - y_{11} \quad x_{12} + y_{12} \quad x_{13} - y_{13}] \tag{7}$$

$$\text{then } \alpha * \beta = [10 \quad 10 \quad 10] \tag{8}$$

or

$$(Birth\ Difference) * (Death\ Difference) = [10 \quad 10 \quad 10] \tag{9}$$

**Observation** – The 1x3 matrix obtained on applying binary operation  $*$  as defined above on the Birth Difference and Death Difference matrices has all three entries equal.

**Conclusion** – For two parallel mates

$$\alpha * \beta = [k \quad k \quad k] \text{ or } (Birth\ Difference) * (Death\ Difference) = [k \quad k \quad k], k \in W \tag{10}$$

The converse that for any two people to be parallel mates the mathematical condition that should be fulfilled by their dates of death and birth is

$$\alpha * \beta = [k \ k \ k] \text{ or} \\ (\text{Birth Difference}) * (\text{Death Difference}) = \\ [k \ k \ k], k \in W$$

is assumed true.

**DEFINITION 3: Parallel Life Constant** – The constant value k for parallel mates such that

$$\alpha * \beta = [k \ k \ k] \text{ or} \\ (\text{Birth Difference}) * (\text{Death Difference}) = \\ [k \ k \ k], k \in W$$

is called parallel life constant associated with the parallel mates whose Birth Difference and Death Difference has been used.

For example, For Lincoln and Kennedy parallel life constant is 10. Parallel life constant has significance while predicting unknown dates of death.

Now to state the mathematical pattern between two parallel mates let  $P_1$  be the matrix corresponding to the Date of Birth of first parallel mate i.e. elder parallel mate and  $P_2$  be the matrix corresponding to Date of Birth of second parallel mate i.e. younger parallel mate.  $P_1'$  be the matrix corresponding to Date of Death of first parallel mate and  $P_2'$  be the matrix corresponding to Date of Death of second parallel mate. Now we say Birth Difference

$$\alpha = P_2 - P_1 \tag{11}$$

and Death Difference

$$\beta = P_2' - P_1' \tag{12}$$

Now

$$\alpha * \beta = [k \ k \ k] \text{ or} \\ (\text{Birth Difference}) * (\text{Death Difference}) = \\ [k \ k \ k], k \in W$$

and k is called the parallel life constant for the parallel mates concerned.

Now we verify this pattern using the Dates of Birth and Death of Mary Ashford and Barbara Forrest.

It is known that that both Mary Ashford and Barbara Forrest were born on the same date 157 years apart [4] which directly gives us

$$\alpha = [0 \ 0 \ 157] \tag{13}$$

Now **Date of Death**– Mary Ashford: 27/05/1817 [4]

Barbara Forrest: 27/05/1974 [4]

Thus according to accepted convention

$$P_1' = [27 \ 5 \ 1817] \\ P_2' = [27 \ 5 \ 1974] \\ \text{Thus } \beta = [0 \ 0 \ 157] \text{ (from equation 12)} \tag{14}$$

Now  $\alpha * \beta = [0 \ 0 \ 0]$  (from equations 7, 13 and 14)

which is in accordance to our pattern i.e.

$$\alpha * \beta = [k \ k \ k] \text{ or}$$

$$(\text{Birth Difference}) * (\text{Death Difference}) = \\ [k \ k \ k], k \in W$$

The parallel life constant for Mary Ashford and Barbara Forrest is 0.

Thus according to the dates of birth and death of the two pair of parallel mates the pattern

$$\alpha * \beta = [k \ k \ k] \text{ or} \\ (\text{Birth Difference}) * (\text{Death Difference}) = \\ [k \ k \ k], k \in W$$

holds. In absence of knowledge of any other real parallel lives the pattern cannot be verified further.

### V. RESULTS OBTAINED FROM PARALLEL LIFE HYPOTHESIS

The deduction of various results has been discussed in detail in the sections below. This section presents a brief summary of all the results obtained:

1. The birth and death dates of two parallel mates follow the pattern

$$\alpha * \beta = [k \ k \ k] \text{ or} \\ (\text{Birth Difference}) * (\text{Death Difference}) = \\ [k \ k \ k], k \in W$$

2. The parallel life constant satisfies the condition  $k \in \{0 \ 10 \ 20\}$
3. Using these results it is possible to calculate the death date of the second parallel mate given the birth and death dates of the first parallel mate and the birth date of the second.
4. Destiny exists for all.
5. The destiny of a person decides the circumstances in a person's life.
6. Destiny doesn't directly control the choices one makes.
7. Our actions do not change the life circumstances that the destiny dictates.
8. Both our destiny and our choices do not influence each other directly.
9. The choices made by others in their lives also doesn't change our destiny or the life circumstances occurring or about to occur.
10. The events in one's life are predestined and cannot be changed by the person's actions but his/her choices determine the mode of occurrence of these circumstances.
11. One's birth, birth place and special abilities that one has from the very birth are predestined and one has no choice over them.
12. Birth and death are both predestined unavoidable events. The birth and death dates of a person are fixed.
13. When one tries to prevent a destined event to occur, destiny causes accidents to make such events occur in his/her life.
14. Destiny may or may not be able to influence one's decision making indirectly. One has full freedom of his/her choice of action.
15. Judging by common life events if we are able to guess if two persons are parallel mates we can predict nationwide and worldwide events like floods, famines, epidemics, world wars, etc.

**VI. PREDICTING DEATH DATES OF PARALLEL MATES MATHEMATICALLY**

By studying the life events of two persons we may conclude that they are parallel mates, although the conclusion cannot be said to be 100% correct unless we study the death of both the persons. Nevertheless, if we find two persons having very common life incidents one dead and one alive, we may conclude they are parallel mates and we might be interested in finding the death date of the person who is alive. This can in fact be done.

Here we experiment on the examples we know and try to find an algorithm to do the same.

Now let us consider that we know the dates of birth of Lincoln and Kennedy and the date of death of Lincoln but not that of Kennedy and we want to find it. Let the date of death of Kennedy be D/M/Y (Date/Month/Year)

Now let P be a matrix corresponding to date of birth of Abraham Lincoln then we have

$$P = [12 \quad 2 \quad 1809]$$

(from equation 1)

Similarly let Q be a matrix corresponding to date of birth of John F. Kennedy then

$$Q = [29 \quad 5 \quad 1917]$$

(from equation 2)

Similarly let R be a matrix corresponding to date of death of Abraham Lincoln then

$$R = [15 \quad 4 \quad 1865]$$

(from equation 3)

Let S be a matrix corresponding to date of death John F. Kennedy then

$$S = [D \quad M \quad Y] \tag{15}$$

We know that Lincoln and Kennedy are parallel mates thus

$$\alpha * \beta = [k \quad k \quad k] \text{ or}$$

$$(Birth \text{ Difference}) * (Death \text{ Difference}) = [k \quad k \quad k], k \in W$$

(from equation 10)

where k is parallel life constant.

Now  $\alpha = [17 \quad 3 \quad 108]$  &  $\beta = [D - 15 \quad M - 4 \quad Y - 1865]$  (from equations 3, 5, 6 and 15) (16)

thus

$$\alpha * \beta = [17 \quad 3 \quad 108] * [D - 15 \quad M - 4 \quad Y - 1865] =$$

(from equation 16) (17)

Now  $\alpha * \beta = [k \quad k \quad k]$  (from 10)

this implies  $[17 \quad 3 \quad 108] * [D - 15 \quad M - 4 \quad Y - 1865] = [k \quad k \quad k]$

(from equations 10 and 17)

this implies  $[17 - D + 15 \quad 3 + M - 4 \quad 108 - Y + 1865] = [k \quad k \quad k]$

(from equations 7, 10 and 18)

this implies  $32 - D = k, M - 1 = k, 1973 - Y = k$  (20)

Now we have 4 variables but 3 equations but also

$$1 \leq M \leq 12 \text{ and } M \in N$$

then let us try trial and error method to solve our equations  
Let  $M = 1$  then  $k = 0$  then  $D = 32$  (from equation 20)  
which is not possible since January has only 31 days.

Let  $M = 2$  then  $k = 2$  then  $D = 31$  (from equation 20)  
which is again absurd since February can have at max 29 days.

Let  $M = 3$  then  $k = 2$  then  $D = 30$  and  $Y = 1971$  thus Kennedy might have date of death 30/03/1971. (from equation 20)

Let  $M = 4$  then  $k = 3$  then  $D = 29$  and  $Y = 1970$  thus Kennedy might have date of death 29/04/1970. (from equation 20)

thus going on we obtain 10 valid results i.e.  
30/03/1971, 29/04/1970, 28/05/1969, 27/06/1968,  
26/07/1967, 25/08/1966, 24/09/1965, 23/10/1964,  
22/11/1963 and 21/12/1962.

Now from facts we know that the correct date of death for Kennedy is 22/11/1963 [1]. Now widely we consider two cases: **Case 1** No person existed such that he was born on 29/05/1917 and died on either of the other 9 dates obtained above except 22/11/1963. Then we find the correct date of death for Kennedy.

**Case 2** All or some of the person existed such that they were born on 29/05/1917 and died on a date from the above obtained 10 dates. But even then we know only the person who died on 22/11/1963 was a parallel mate of Lincoln. Since we have already assumed that there can only be a pair of parallel mates none of the other such person will be a parallel mate with Lincoln.

From the two cases we see that only the person for whom  $k = 10$  is a parallel mate of Lincoln. For any other value of k which gives a valid result the person, if he might have existed is not a parallel mate of Lincoln. Similarly in the case of Barbara Forrest and Mary Ashford we will find that only for  $k = 0$  will we get a result which is in agreement with the facts. For no other value of k will we get a result which is in agreement with the facts.

Thus we arrive at an important conclusion from the two experiments that **parallel life constant can only assume values which are multiples of 10.**  $k = 10n, n \in W$ . Now the greatest and least value that a month can have is 12 and 1 then the greatest value that M might assume is  $(12 - 1) + (12 - 1) = 22$ . The nearest multiple of 10 less than 22 is 20 hence  $k \in \{0 \quad 10 \quad 20\}$ . (21)

Note: The result might not be accurate since it has been obtained only from two observations but seems correct to assume if there could only be a pair of parallel mates. Further experimentation would throw light on validity of this result.

With this result let us try to find out the death date of Barbara Forrest given the birth dates of Mary and Barbara and death date of Mary. From now on we denote Birth difference matrix by  $\alpha$  and Death difference matrix by  $\beta$ .

$$\begin{aligned} \text{then } \alpha &= [0 \quad 0 \quad 157] & \text{and} \\ \beta &= [D - 27 \quad M - 5 \quad Y - 1817] & (22) \end{aligned}$$

(from equations 13 and 14)

$$\text{Now } \alpha * \beta = [k \quad k \quad k] \text{ where } k \in \{0 \quad 10 \quad 20\}$$

(from 10 and 21)

this implies

$$[27 - D \quad M - 5 \quad 1974 - Y] = [k \quad k \quad k] \quad (\text{from equations 7, 10 and 22})$$

this implies  $27 - D = M - 5 = 1974 - Y = k$

Let  $k = 0$  then  $D = 27, M = 5, Y = 1974$  thus Barbara might have died on 27/05/1974

Let  $k = 10$  then  $M = 15$  which is not possible

Let  $k = 20$  then  $M = 25$  which is not possible

Hence we get a single date as date of death for Barbara. This algorithm works on this example as it has been devised with the help of it. It might fail for others if our assumption that  $k$  can only assume values 0, 10 or 20 is wrong but there is also a great chance that this assumption is correct. Now we write a general algorithm for finding the death date of the second parallel mate:

Let  $P_1$  and  $P_2$  be two parallel mates and  $P_1$  is elder than  $P_2$

Let date of birth of  $P_1$  is  $D_1/M_1/Y_1$  and that of  $P_2$  by  $D_2/M_2/Y_2$  and dates of death of  $P_1$  and  $P_2$  are  $d_1/m_1/y_1$  and  $d_2/m_2/y_2$  respectively.

Then  $\alpha = [D_2 - D_1 \quad M_2 - M_1 \quad Y_2 - Y_1]$  and

$\beta = [d_2 - d_1 \quad m_2 - m_1 \quad y_2 - y_1]$

now  $\alpha * \beta = [k \quad k \quad k]$  where

$$k \in \{0 \quad 10 \quad 20\}$$

then

$$\begin{aligned} (D_2 - D_1) - (d_2 - d_1) &= \\ (M_2 - M_1) + (m_2 - m_1) &= \\ (Y_2 - Y_1) - (y_2 - y_1) &= k \end{aligned}$$

Now put  $k$  as 0, 10 and 20. One of the 3 values of  $k$  will give a valid result for  $d_2, m_2$  and  $y_2$ .

### 6.1 Predicting Nationwide or Worldwide Events

At any time, in a vast area such as a nation or the entire world, it would not be wrong to assume that at least one person exists who will have a parallel mate in the future. Then for any such person we know that his/her life events will be repeated when the second parallel mate comes into existence. Thus any event that affects an entire nation or the entire world will repeat itself and this repetition will occur during the life of the second parallel mate. If judging by the life events of two persons we are able to guess that they are parallel mates then we could predict worldwide or nationwide disasters or other phenomenon affecting entire country or world. For example, the Second World War was definitely a way to cause a great number of accidents in people's lives who had parallel lives with the people living in the era of the First World War. Similarly the second wave of the COVID-19 pandemic was again a way to cause a great number of accidents in the lives of people having

parallel life with people who had suffered from a particular accident during the first wave. This way judging by common life incidents in two persons' life, if we are able to make a rough conclusion that they are parallel mates we can know the events about to happen to the second parallel mate and if they hold nation and worldwide importance, we could in advance predict wars, famines or epidemics, etc.

## VII. DISCUSSION ON DESTINY AND GOD

### 7.1 Proving GOD and DESTINY Exist

We see that a mathematical pattern exists between two people having a parallel life with each other. Thus we conclude there exists a program based on mathematics which creates this pattern between two parallel mates and thus this program decides that the two persons will or will not be in parallel life which implies the life incidents of all the people are predetermined.

It is difficult to understand this concept directly. Let us consider an analogy to understand this: suppose we know nothing about mountains/ glaciers but we know that a river can only arise from mountains/ glaciers. Now if we observe a river we can conclude that mountain/ glaciers do exist. In a similar manner if a mathematical pattern exists there needs to be a mathematical program which develops this mathematical pattern and the existence of a program which decides upon birth and death of people is sufficient to prove that there exists a program or maybe a group of programs which decide the events of life of any person. This program can be compared to destiny and the creator of this program to God.

Now we prove that destiny exists for all. We know that this program creates a pattern for persons in parallel life. Now we consider two possibilities:

Possibility 1: All people have a parallel mate.

Then the lives of all people would be governed by this program as proved above.

Possibility 2: Some people have a parallel mate and some do not.

Then again there needs to be a program to decide which person will have a parallel mate and which will not. Conclusively even the life events of those people who do not have parallel lives will be predetermined.

Hence proved that ***destiny exists for all.*** (Result 1)

(Note: It is not necessary that this program uses mathematics for its formulation and execution, it might be God's own programming language but due to some reason we are able to interpret it mathematically. The point still remains that a program that decides about the lives of people exists.)

### 7.2 Does Destiny Control All Our Actions?

(The Single-player Adventure Game Analogy)

- It is a common belief that destiny controls our life entirely and what so ever we do it cannot change what destiny dictates. Let us try to find out whether this is true or not from the Lincoln-Kennedy paradox. Lincoln was

the first **Republican** President of the US whereas Kennedy was a **Democrat** [1]. If they were living the same life they would not have the freedom of choice leading to this great difference between the two lives. Thus we conclude that destiny doesn't decide everything about one's life.

• **What does destiny decide?**

*The destiny of a person decides the circumstances in which a person is placed in their lifetime. It has no authority over our decisions to react to these circumstances. Destiny decides the life events of a person and the person has the freedom to choose which way to react to any circumstance; destiny doesn't directly influence our choices.* (Result 2)

• **The Adventure Game Analogy**

Now one might argue that our choices frame the circumstances we face which is only partially true. To understand things clearly let us again think about an analogy:

- We compare life to a single-player adventure video game. In here we would generally consider the case of **Mario**.
- We consider life to be the plot of the game '**Super Mario Bros.**' and the person living a life is the player as well as the character '**Mario**' of the game.
- Every life that one gets in this game counts one mistake of the player.
- In real life we can commit not only three but a large number of mistakes and still not die thus we conclude that a player in this concerned game has infinitely many lives. (The assumption of infinitely many lives is important for comparing because if we die because of our mistakes results proven later in this theory would be contradicted.)
- Now we start comparing. If a person is **Mario**, life is the plot of the game then the program that creates this plot can be compared to **DESTINY** of a person and **Nintendo** i.e. the creator of the game to God.
- All the difficulties or benefits to the player/character are the life circumstances, for example the monsters are difficulties while coins are benefits.
- Now the **game creating program has already decided the course for Mario. Similarly the destiny has already decided the life plot for us.**
- The player is free to play according to his/her own wish and this is not influenced by the program creating the game. *Similarly our choices are independent of our destiny.* (Result 3)

• **Do Our Mistakes Make Our Destiny?**

- Our own decisions influence our circumstances but not completely. If Mario commits a mistake in the game, he suffers a disadvantage, for example shortening of its height which implies greater risk of losing one life. **Similarly if we choose wrong we have disadvantages and our circumstances become tougher.**

- But as the **game plot** for Mario irrespective of any mistakes committed *remains unchanged, similarly our life events as decided by our life remain unchanged.*
- *If we may or may not commit a mistake will never decide a circumstance will occur or not. If we do not commit a mistake which results in a bad circumstance then some other agent would cause the bad circumstance.* (Result 4)

• **Proving Result 4:**

- This conclusion can be arrived at *if a person would have the chance to live his/her life twice and take two different decisions when placed in the same circumstance.* Then it could be verified that his/her choice doesn't affect the circumstances occurring in his life.
- Practically, such a situation is not possible but a situation similar to it is possible. Consider *two parallel mates both taking different choices in the chain of those events which is common to them and arriving at different circumstances.*
- *But if this would be so they would no longer be parallel mates. Thus by method of contradiction we arrive at this conclusion that our choices cannot affect our circumstances, our choices only determine the mode in which a particular circumstance occurs.*
- One might argue that the result has been proved only for parallel mates but the rules of destiny will always be the same for a person irrespective of him/ her being in parallel life.

This conclusion is also based on the validity of the adventure game analogy which is discussed in the next section.

*Thus we conclude that our choices do not influence the circumstances about to occur in our lives and our destiny doesn't influence the choices we make in life.* (Result 5)

*Furthermore the choices made by all the other people in our lives also doesn't change our life events decided by destiny.* (Result 6)

For example, if a man has been robbed by another then it seems that the thief took a decision which had an effect on the victim of robbery. But the circumstance that the victim suffers is a loss of material possession if the thief had decided not to steal even then someone else would or due to the person's own mistake he might misplace the material possession. We can explain this with the adventure game analogy. Two different people are compared to two different characters of two different adventure games since we consider only single-player adventure game over here. Now the two adventure games even being played simultaneously cannot be combined with each other in any way hence both destinies are independent of each other. The influence due to any person in the life can be characterized by an occurrence of a circumstance in the game.

*The circumstances cannot be changed in one's life; the agents causing the circumstance may change depending on the choices one makes.* (Result 7)

**7.3 Validity of the Adventure Game Analogy and Explaining Various Life Events with its Help**

**7.3.1 Validity of the Adventure Game Analogy**

We have seen that our life is controlled by a program. Thus to compare our life we choose something controlled by a program. Now our life has various twists and turns, some good and some bad and the events occurring in our life are already decided by our destiny i.e. the program but still we have freedom of choice over the reaction to these events. Thus an adventure game is the closest comparison to our life. We can use the adventure game analogy to explain about any event occurring in our life. Here we discuss some major events common to all.

**7.3.2 Birth and God Gifts**

Birth is the first event of the life. We do not have any choice whether or not to be born; this is analogous to the fact that Mario (character) has no choice whether to take part or not in the game. The program compels Mario to play the game. Similarly destiny decides our birth and we do not have control over this.

It is often said many people are born with certain special abilities. To understand this we need to know that every life will be compared to a different adventure games. Now in Mario, the character starts with no weapon initially while in Contra we see the character starts the game with a weapon. Thus these abilities are decided by the program. Similarly the destiny also decides our god gifts or even the place or family background in which we are born and this is not in our control and the comparison of two lives is thus superfluous. (Result 8)

**7.3.3 Death and Suicide**

Death is the last event of life. One can die in four possible ways:

1. By diseases i.e. natural death
2. By a previously unpredicted accident
3. By murder
4. By suicide.

The occurrence of a disease and a death caused due to it are both two unavoidable circumstances pre-determined by a person’s destiny. Similar is the case of a previously unpredicted accident. To explain it with the adventure game analogy, we consider the ending of the game reached by the player Mario where he saves the princess and has accomplished his purpose of life and then the game ends, that is life is over. Similarly at the end of the chain of events that a person was destined to comes his/her death or end.

However a murder can be classified into two different categories depending upon its cause:

1. Previously unpredicted murder
2. Murder as death by choice

Again a murder previously unpredicted by the victim is the occurrence of an event but a murder may appear a death by choice in cases where the victim knows that taking a particular decision can be fatal for him/her but still chooses to take this dangerous path and dies as an apparent

consequence. For example, we may consider the death of an army man going to war. It might look that he willfully decided to die even knowing about the danger to his life. But the death actually occurs as a consequence even for this army man or any other person taking such a dangerous choice. As proved above our choices do not influence our circumstances. But the army man choosing to fight in war determines he would die fighting. If he would choose otherwise then the circumstance would not change, that is death in war, but its mode of occurrence could be different, for example he might become a civil casualty in the war. Similarly suicide is also a death by choice where the mode of occurrence as decided by one’s choice is the person himself/herself. For example, a person commits a suicide by jumping of a building; if he had chosen otherwise he would still die due to falling off from height but it would have been an accident or previously unpredicted murder. These conclusions are based on the above proven results that our choices and circumstances are independent. There are many examples of people attempting to suicide but still escaping death. This is because the circumstance in their life then was being wounded; the mode they chose for it was suicide. They weren’t destined to die at that particular time.

Thus we conclude birth and death are both predestined events. The birth and death dates of a person are fixed and this forms the basis for the study of parallel life. (Result 9)

**7.3.4 Other Life Events**

Any other event in a person’s life can similarly be thought as programmed by destiny. This event can occur by his/her choice or accidentally. A circumstance programmed by destiny in our life will definitely occur, it may be facilitated by our actions or else occur due to external agents or accidents. One may argue that not all events can occur by accident, some events depend completely on choice. Let us take an example: A man is destined to thievery in his life but rather he/she chooses to be an honest person then destiny either makes the person a kleptomaniac or the person while trying to pick up his own thing might accidentally pick up something which doesn’t belong to him. In fact, accidents can occur for any possible incident and

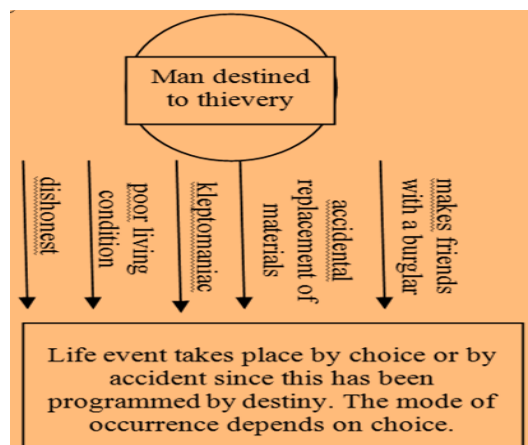


Figure 1. events can take place by accident if not by choice



**accident is the way destiny makes things happen when we resist.** (Result 10)

### **7.3.5 Circumstances Indirectly Influence Choices**

Although we have proved that circumstances and choices in a person's life are independent of each other, there is an important factor shaped by the circumstances in one's life pertaining to which one takes a decision in his/her life. It may be marked that section 7.2 states that 'destiny doesn't directly influence our choices' but it **may** do so indirectly. From our very childhood, the atmosphere and upbringing we are exposed to determine what choice we take up in future. All the circumstances we face build a particular mindset and largely determine how we react to a particular situation but there is no 100% guarantee that one would react likewise as he/she is expected to, on the basis of his previous life. Though there is a large possibility one might follow his/her mindset in a given situation but there is also a possibility that we change our mindset when faced by an unexpected situation.

**Thus our destiny may influence our decision making but it may even not. Thus we conclude that we have full freedom to choose anything as a response to a particular situation.** (Result 11)

### **7.4 Is There Any Point Trying to Change our Destiny?**

Destiny is the only thing which is not destined. No one knows what lies beyond in one's destiny. Practically, it is not possible to change the events of one's life that destiny dictates but we never know when our life circumstances will take a turn and get completely reversed thus we should keep trying to change our circumstances if are unsatisfied. The circumstances would definitely change if our destiny dictates and even if we do not try. Why then should we try? Why should we always be good to others and do hard work in our life if everything depends on destiny?

This question is again difficult to answer directly and hence we use another analogy.

#### **7.4.1 Drawing Analogy**

As kids we all must have come across coloring competitions wherein each child is given the same drawing and asked to fill color according to their own wish. In spite of the fact that each child colors the same drawing some are able to present wonderful colors and make the drawing more beautiful while others might make it look even worse with colors. Life goes by the same logic. Life is a drawing done by our destiny by deciding our life events but it is on us how we fill the colors and make it look by the discretion of our choice. We might choose to color it such that it looks very bad; that way no one likes the drawing and we are hated by all or else we could color it beautifully and that way everyone likes it.

If we achieve without working hard, although our drawing is nice, we fill bad colors and the beautiful drawing goes in vain. On the other hand, a hard working honest laborer's drawing even though, not so nice looks beautiful due to the choices he/she takes to color his life. Similarly a person

who helps others, fills bright colors in his/her drawing of life and one who deliberately hurts others makes the drawing dirty. To spoil this drawing of our life is equal to wasting our life, making it such that even we would despise.

### **7.4.2 Way of Leading One's Life**

We could never predict what our destiny has for us in store. Although in previous sections of theory many ways of predicting lives are discussed, especially for parallel mates, there is no 100% guarantee of everything being accurately predicted. In fact it is impossible to tell accurately if two persons are parallel mates before both of them die. Thus without thinking of what destiny plans for us next or will our deeds yield success, we should advance forward in the way we think is right for us because it is superfluous to think of future as it cannot be rightly predicted. Even if there is 0.00000000000000000001% possibility that we succeed we should take our chance because it is enough to win.

Also after reading the theory many might argue that if our actions do not affect the outcomes then we need not be careful about them. For example, one might argue that if he is destined to lung cancer in his life then it is better for him to enjoy smoking and then be faced by it rather than keeping away from cigarettes and even then suffering from cancer in his life. He must keep in mind that his choices and actions are what present him in front of the world. If he chooses to smoke and gets lung cancer the world will blame him for this since he has become the causing agent for his problem. If his actions would have been the other way and still he is detected with lung cancer, the world would sympathize with him.

As mentioned above in our life we can never predict our future events with 100% accuracy and thus we should not be discouraged or over-encouraged by our past events. If someone attempts to achieve something and is unable to do so in his first attempt, he might think his destiny dictates so and he should not try further but no one know what destiny has in store maybe destiny has it that they would only succeed in their second attempt may be tenth attempt, this can't be predicted. Thus such a mindset is not beneficial. If one really desires to achieve something they must keep trying with strong determination, maybe destiny wants to set an example with their help.

### **7.5 Is God Wrong?**

#### **Hypothetical Argument with God**

God has set our life according to his own wish without taking permission from us and he/she also doesn't provide any way to change our life according to our own will. There is no democracy in this system. Isn't God wrong to do so? To seek the answer to the same the author of the theory set up a hypothetical argument with God asking God such questions and thinking what God would say in his/her defense. Unexpectedly, God won this argument. The argument put forward by God to answer the above questions was again in form of an analogy. God said that aren't we the God of everything we have created? For all materials that

exist on earth, we are equivalent to God, we exploit them according to our own will without trying to know how they feel or without asking for their permission. It is because we think that these things are meant for our use. Similar is the thinking of God. God is only as wrong as we are. If we might now think to give up these materials, life would be impossible without them. Similarly God would have certain obligations and cannot grant our freedom.

### 7.5.1 Religious Texts

Religious texts always advocate worshiping God, to be grateful to him although what he does to us is wrong. Are religious texts right in saying so? Yes, religious texts tend to overlook the wrong caused by God's actions and to focus on the good part. As discussed before there is no way God will stop to exploit our lives and holding grudges for the same and being stuck with it does nothing but aggravate our problems. God and destiny are the only prevalent ways which cause life to occur as they control the life events thus religious texts show gratefulness to God.

Religious texts also share another similarity with this theory. Many religious texts say that all that happens, happens only with the will of God and human has no discretion over it. This is in fact has been proved by this theory since the life events of all humans are controlled by God and Destiny. It is not yet sure that God or Destiny could control the actions of other living or non living beings as well. Similarly Religious texts stress on hard work without thinking of the fruit, the same was established by the theory. So many such preachings in the religious texts are supported by this theory.

## VIII. CONCLUSION

The theory successfully from mathematical experimentation establishes a pattern between birth and death dates of parallel mates which is represented by

$$\alpha * \beta = [k \ k \ k] \text{ or } (Birth \ Difference) * (Death \ Difference) = [k \ k \ k], k \in W.$$

With the knowledge of this pattern and logical deduction it is established that destiny exists for all and controls the life events in one's life but has no control over the choices one makes. One cannot change the life events that his/her destiny dictates by his actions/choices. Choices and destiny do not influence each other.

Further, the theory of parallel life helps us to predict the events that would occur in the life time of the younger parallel mate given the events of the elder parallel mate. This fact can even help us in predicting worldwide events well in advance.

An algorithm to predict the death date of the younger parallel mate is also found based on the fact that  $k \in \{0 \ 10 \ 20\}$ .

## IX. LIMITATIONS AND FUTURE SCOPE

### 9.1 Limitations of the Theory

1. The pattern obtained is followed only by the Gregorian calendar and no other calendar.
2. Due to absence of more examples for parallel lives known to the author, the pattern obtained could not be verified further. Similarly it could not be verified if  $k \in \{0, 10, 20\}$  is a correct assumption or not.
3. There cannot be 100% guarantee if two persons are parallel mates only judging by their life incidents until they die.

### 9.2 Future Scope

Even in the budding stage the theory is able to make great predictions. The mathematical analysis could not be verified to a great extent at this stage but the aim of this theory is not to reach conclusions rather it is to initiate the study of parallel lives. When a large number of parallel lives would be discovered and studied, we would, for sure be able to create wonders never though before.

This theory could predict wars, nuclear blasts, famines and destructions and we might not be able to prevent them from occurring but may be able to minimize the loss it would cause.

## REFERENCES

- [1] Gene Barretta, "Lincoln and Kennedy: A Pair to Compare," *Henry Holt & Company Books For Young Readers, USA, pp.1-40, 2016.*
- [2] William O. Douglas, "Mr. Lincoln and the Negroes: The Long Road to Equality," *Atheneum, USA pg.1, 1963.*
- [3] Harry Golden, "Mr. Kennedy and the Negroes," *Crest, USA pg.1, 1965.*
- [4] Patrick B. Hayes, "One Morning in May," *Brewin Books, United Kingdom, pp. 1-72, 2002.*
- [5] Richard W. Bargdill, "Fate and destiny: Some historical distinctions between the concepts," *Journal of Theoretical and Philosophical Psychology, Vol.26, Issue1-2, pp.205-220, 2006*
- [6] Stephen Hawking, "Brief Answers to the Big Questions," *Hodder and Stoughton, United Kingdom, pp.30-37, 2018*
- [7] Subhendu K. Das, "A Scientific Theory of Destiny," *Global Journal of Science Frontier Research Mathematics and Decisional Sciences, Vol.13, Issue 8, pp.11-59, 2013*
- [8] Sumeru Ray (Maharshi MahaManas), "What exactly Destiny is: an exploration from a scientific viewpoint," *International Journal of Scientific Research in Physics and Applied Sciences, Vol.9, Issue 3, pp.7-10, 2021*

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