

**Vibration Analysis as Related to Price and Time in the Forecasting of Major Tops and Bottoms**

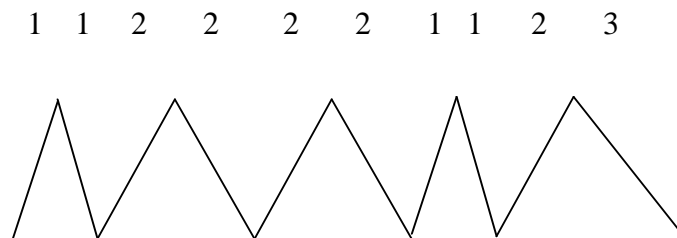
The following pages will analyze three different time periods that all have a common 17 year cycle structure. The 17 year cycle structure was identified by L. Peter Cogan<sup>i</sup>. The 17 year cycle structure has been further analyzed by Bradley F. Cowan<sup>ii</sup>. The periods that will be analyzed are the 1897-1914, the 1932-1949 and the current 2002-2019 time period. All three periods have a common cycle structure as shown below and visually seen on page two.

The major tops and bottoms in this structure have shown to be mathematically related in price and time. The common mathematical relationship of these tops and bottoms in price and time are proven in the following pages as detailed in the 1897-1914 and 1932-1949 time periods. These mathematical principles are then presented for the current 2002-2019 time period along with future price and time forecasts.

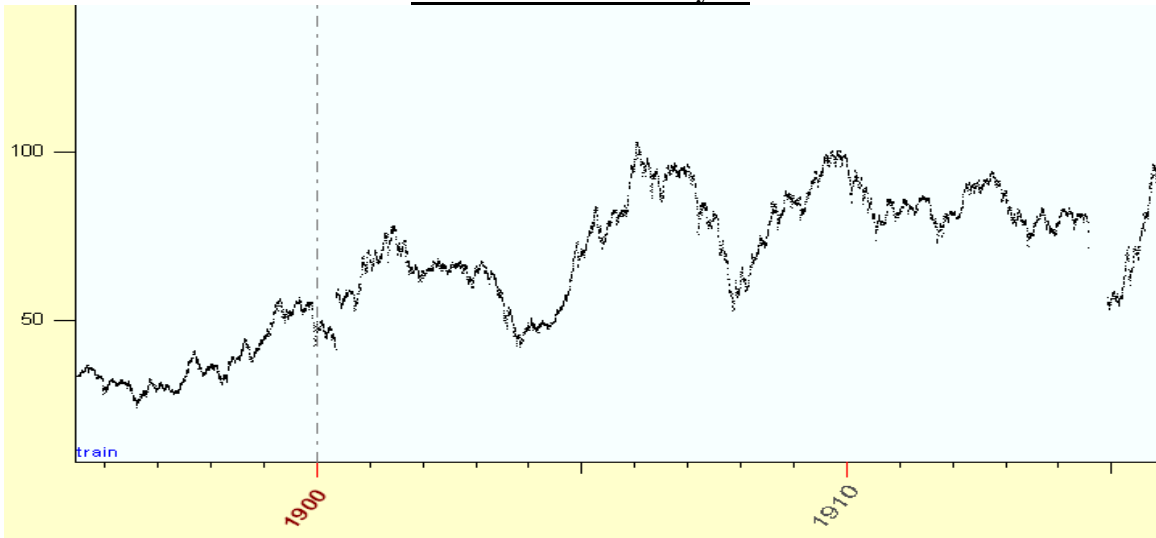
The following pages illustrate analysis that will be repeated for the 1897-1914 and 1932-1949 time periods and then also for the 2002-2019 period. There will be two main vibration principles presented for forecasting Price, Previous Cycle Vibration and In-Line Vibration. The Price Vibration methods work together and are a dual relationship to one another and they have been shown to be a requirement for Price to complete. The Previous Cycle Vibration will have in order of time, 1. Vibration (100%-75%), 2. Price Top (138%) or Bottom (150%) and 3. Origin (0% Price). The In-Line Vibration will have in order of Time, 1. Origin (0%), 2. Vibration (100%-75%) and 3. Price Top (138%) or Bottom (150%).

In addition, Time will be analyzed proving the mathematical structure that has shown to determine the major tops and bottoms. Repeating illustrations will show the fundamentals of the Time Structure as a relationship to the Price Vibration methods as discussed above. The time structure that is generated at these vibration points sync together to project future turning points. A central element that is collinear in time is the Previous Cycle Vibration 100% time line and In-Line Vibration 0% time line. Together time Extensions from two different cycles will produce a common extension point in time where they are collinear. This collinear time extension will be shown to have produced the major turnings points in the DJIA.

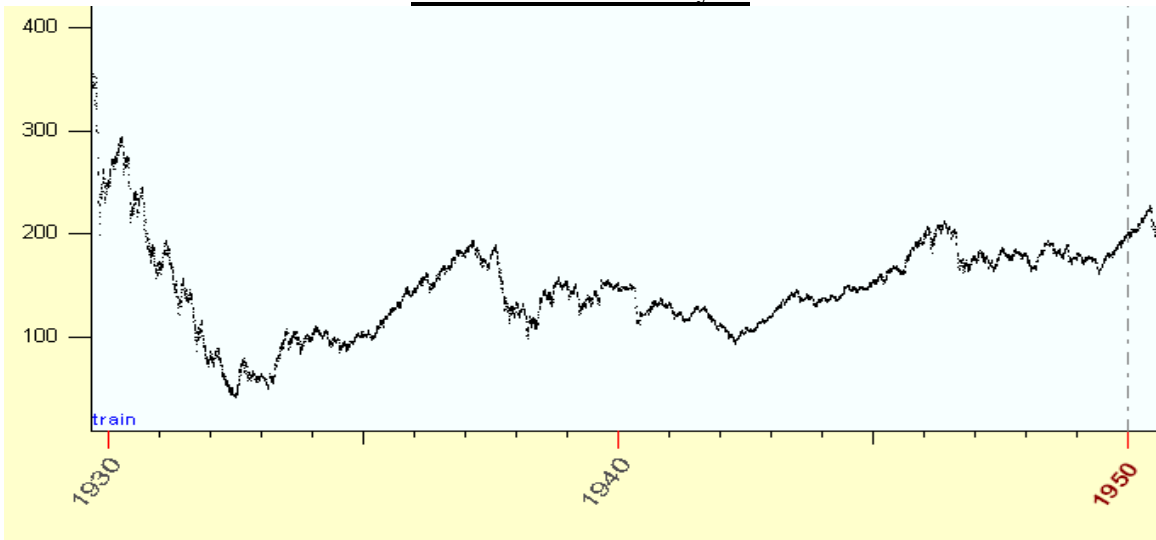
**17 Year Cycle Structure**



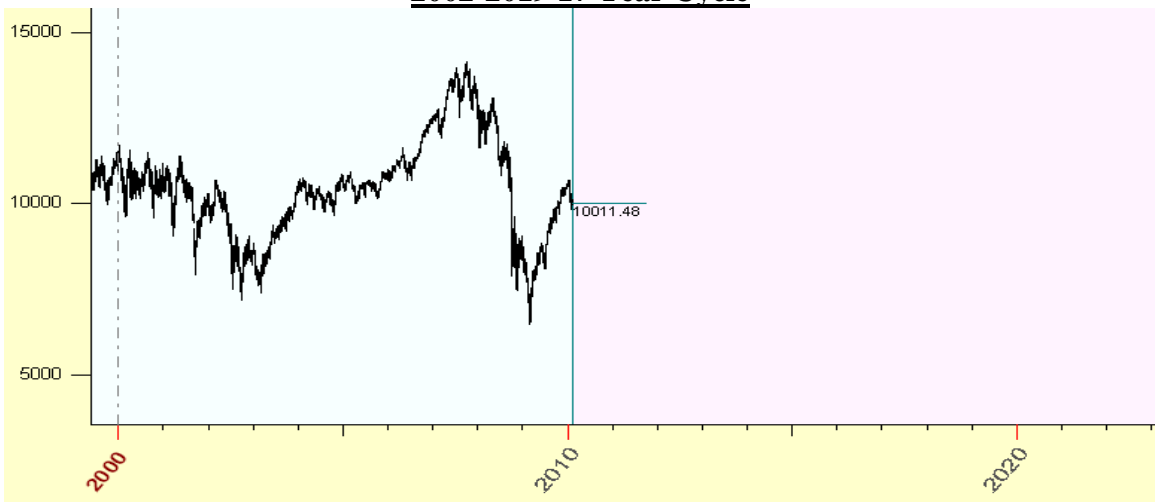
**1897-1914 17 Year Cycle**



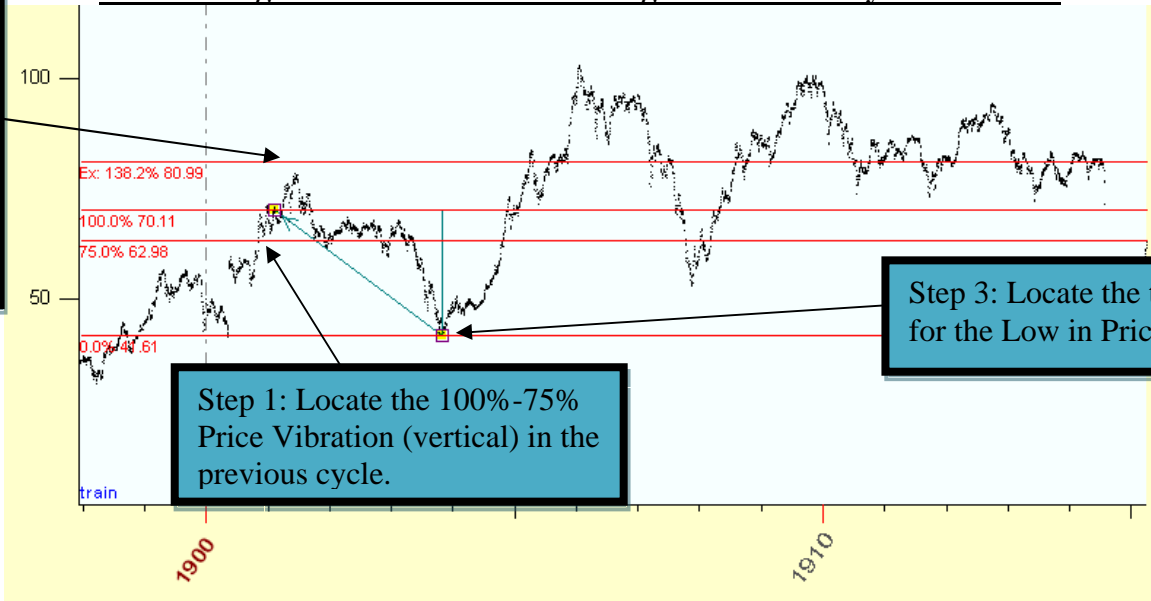
**1932-1949 17 Year Cycle**



**2002-2019 17 Year Cycle**



### Determining the 1903 Low in Price using the Previous Cycle Vibration

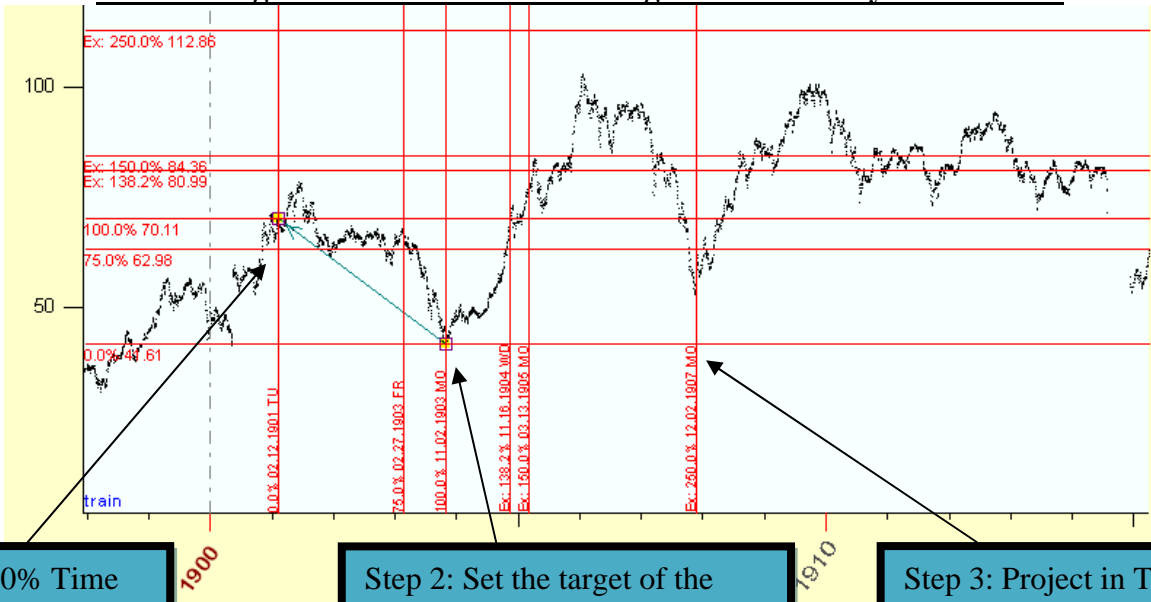


Step 2: Locate the start of the present cycle, 138% for the High in Price.

Step 1: Locate the 100%-75% Price Vibration (vertical) in the previous cycle.

Step 3: Locate the target, 0% for the Low in Price.

### Determining in Time the 1907 Low Using the Previous Cycle Vibration



Step 1: Set as 0% Time (Horizontal) at the 100%-75% Price Vibration in the previous cycle.

Step 2: Set the target of the present cycle which is the start of the next cycle, 0% for the Low in Price, but for now as 100% in Time.

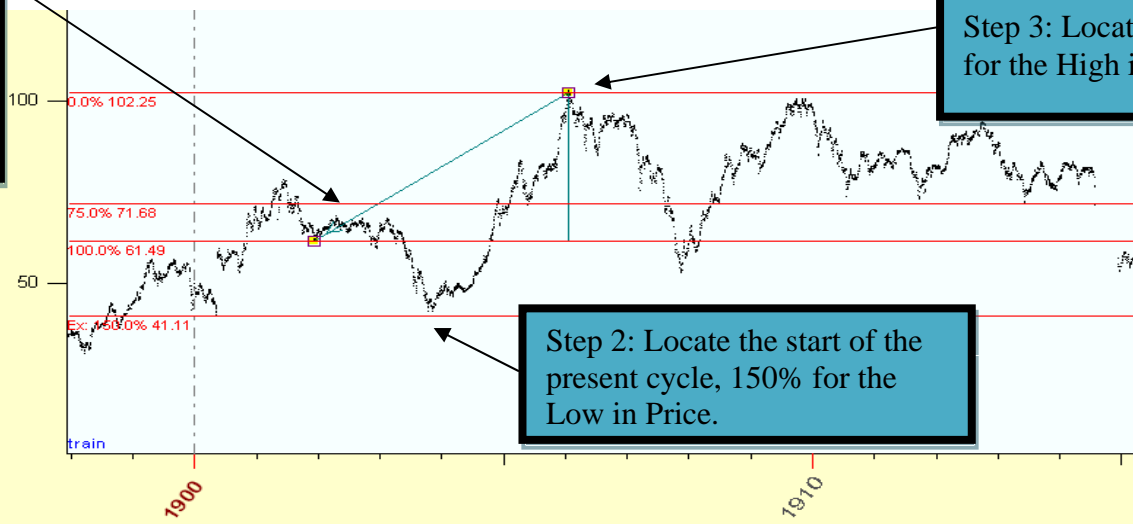
Step 3: Project in Time (horizontal) 250%.

The top chart analyzes the Price (vertical) Movement. The 1903 Low can be forecasted in Price by finding the 100%-75% Price Vibration, then using the 138% retracement to locate the Price High and then determining the price target at the 0% retracement.

The bottom chart adds vertical time lines and analyzes Time (horizontal) movement. The 1907 Low can be determined in part by finding the 100%-75% Price Vibration and setting this to 0% in Time, then find the 0% price target (1903 low) as shown in the top chart and setting this to 100% in Time and then projecting in time 250%. It will be shown why the 250% determines the 1907 low.

### Determining the 1906 High using the Previous Cycle Vibration

Step 1: Locate the 100%-75% Price Vibration (vertical) in the previous cycle.

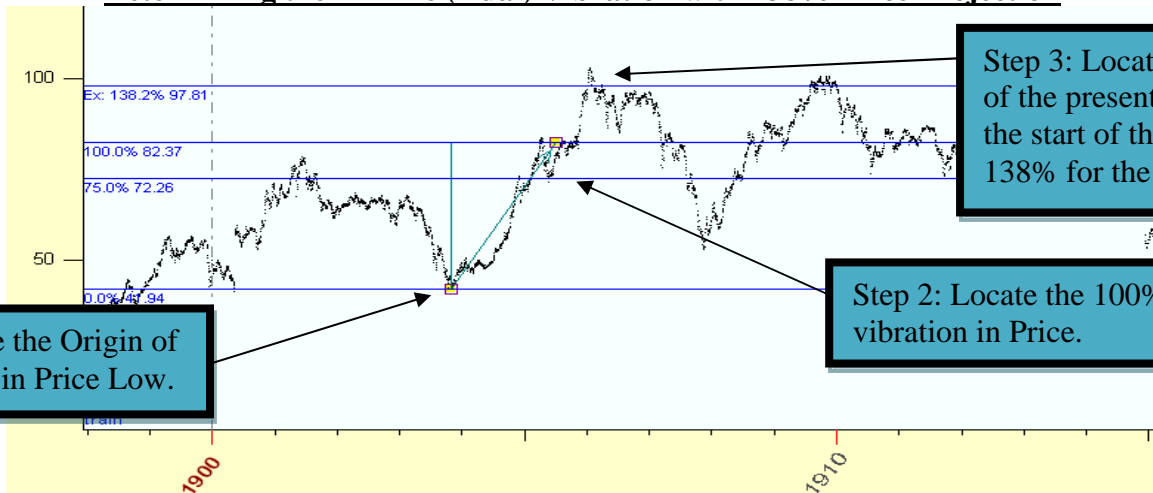


Step 3: Locate the target, 0% for the High in Price.

Step 2: Locate the start of the present cycle, 150% for the Low in Price.

### Determining the In-Line (Dual) Vibration with 138% Price Projection

Step 1: Locate the Origin of the cycle, 0% in Price Low.

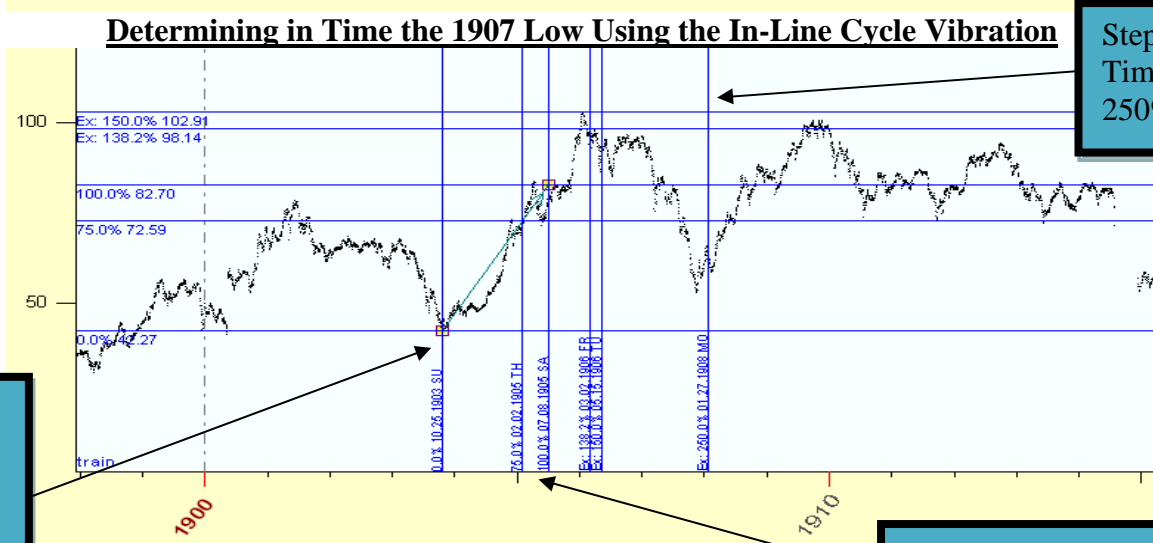


Step 3: Locate then the target of the present cycle which is the start of the next cycle, 138% for the High in Price.

Step 2: Locate the 100%-75% vibration in Price.

### Determining in Time the 1907 Low Using the In-Line Cycle Vibration

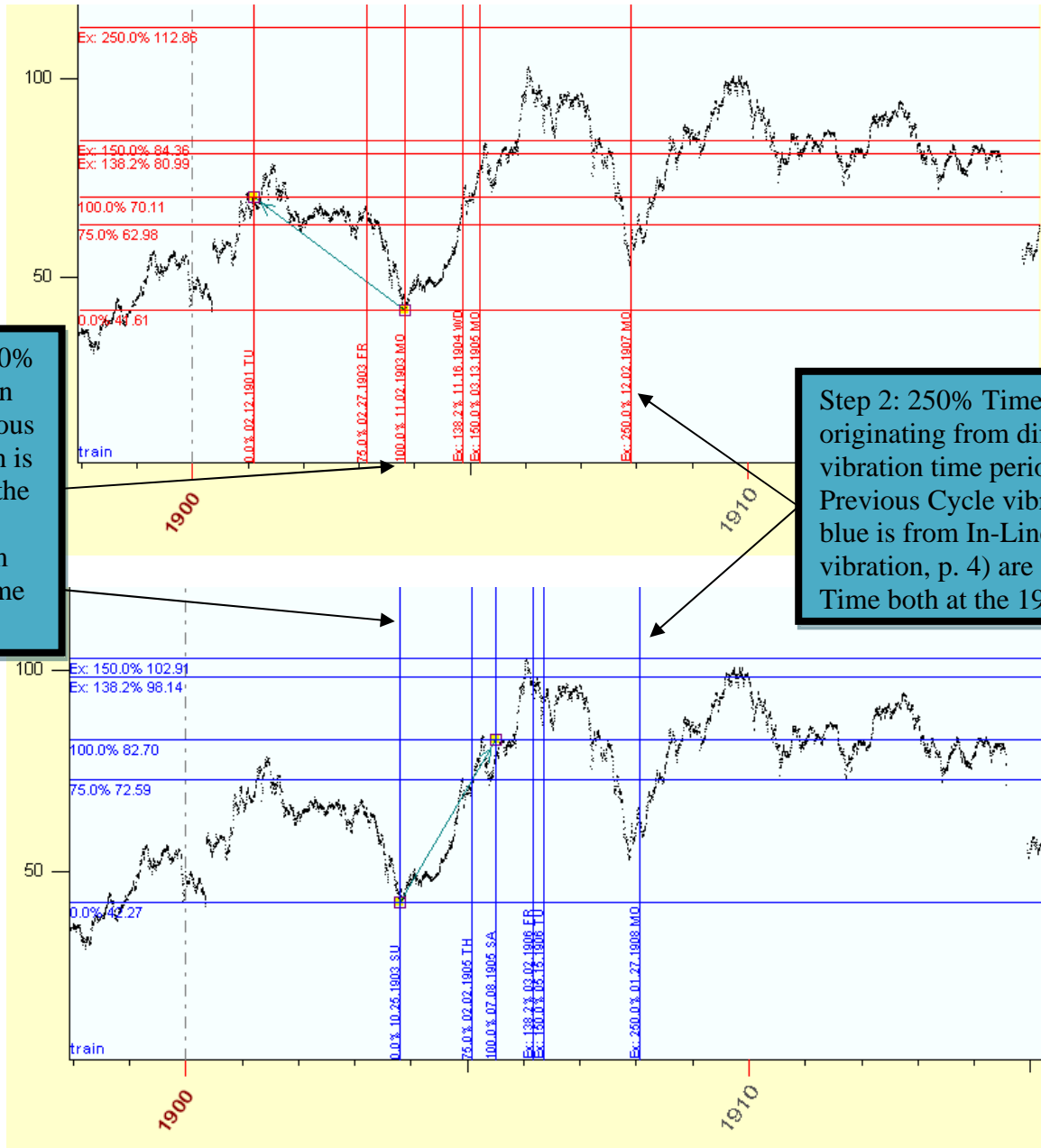
Step 1: Set the 0% Time at the Origin of the In-Line Price Cycle 0%.



Step 3: Project in Time (horizontal) 250%.

Step 2: Set the 100% Time at the 100%-75% vibration in Price.

**Comparison of Both Cycle Charts and Determining in Time the 1907 Low**



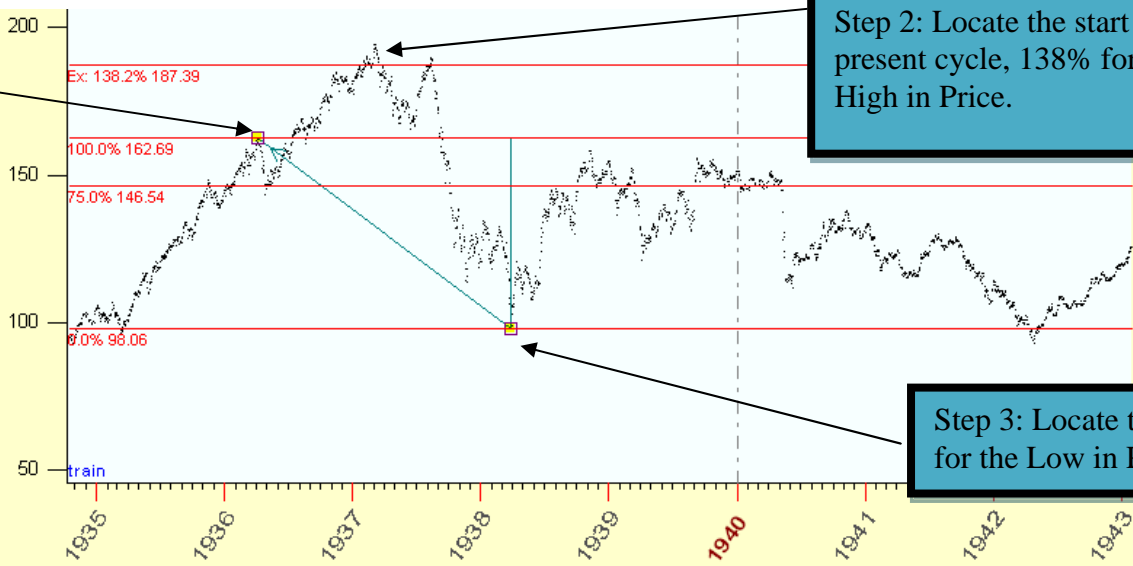
Step 1: The 100% Time projection from the Previous Cycle vibration is collinear with the 0% Time projection from the In-Line Time projection.

Step 2: 250% Time Projections originating from different cycle vibration time periods (red is from Previous Cycle vibration, p.3 and blue is from In-Line Cycle vibration, p. 4) are Collinear in Time both at the 1907 Low.

There is a phenomena taking place for these time cycles as shown above, 100% and 0% alignment in Time will determine the 1907 Low at a common 250% extension in Time.

Step 1: Locate the 100%-75% Price Vibration (vertical) in the previous cycle.

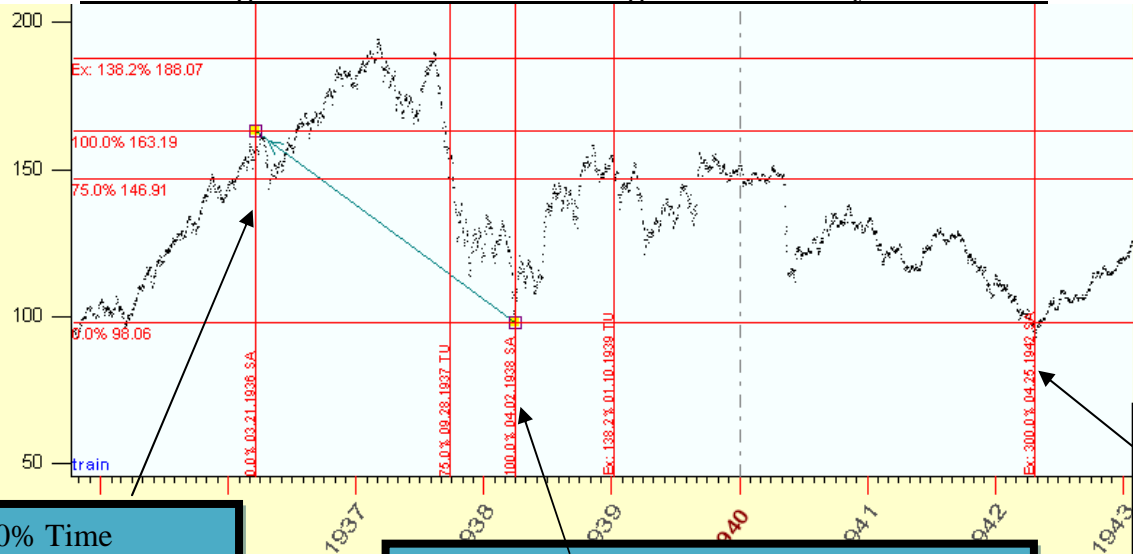
### Determining the 1938 Low in Price Using the Previous Cycle Vibration



Step 2: Locate the start of the present cycle, 138% for the High in Price.

Step 3: Locate the target, 0% for the Low in Price.

### Determining in Time the 1942 Low Using the Previous Cycle Vibration



Step 1: Set as 0% Time (Horizontal) at the 100%-75% Price Vibration in the previous cycle.

Step 2: Set the target of the present cycle which is the start of the next cycle, 0% for the Low in Price, but for now as 100% in Time.

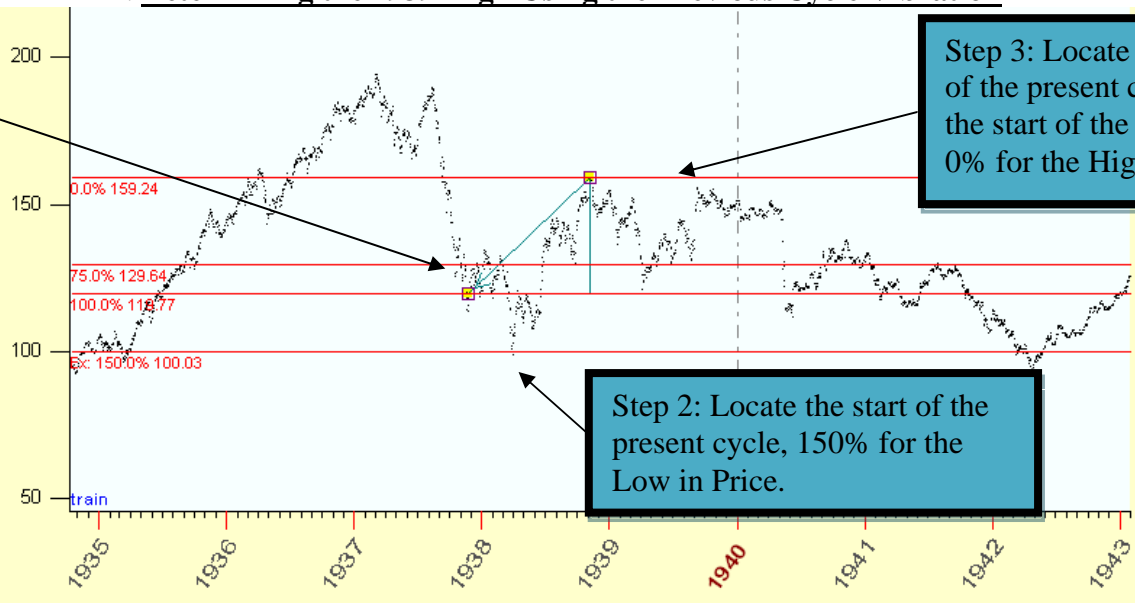
Step 3: Project in Time (horizontal) 300%.

The top chart analyzes the Price (vertical) Movement. The 1938 Low can be forecasted in Price by finding the 100%-75% Price Vibration and then using the 138% retracement to locate the Price High and then determining the price target at the 0% retracement.

The bottom chart analyzes the Time (horizontal) Movement. The 1942 Low can be determined in part by finding the 100%-75% Price Vibration and setting this to 0% in Time, then find the 0% price target (1938 low) as shown in the top chart and setting this to 100% in Time and then projecting in time 300%. It will be shown why the 300% determines the 1942 low

**Determining the 1939 High Using the Previous Cycle Vibration**

Step 1: Locate the 100%-75% Price Vibration (vertical) in the previous cycle.

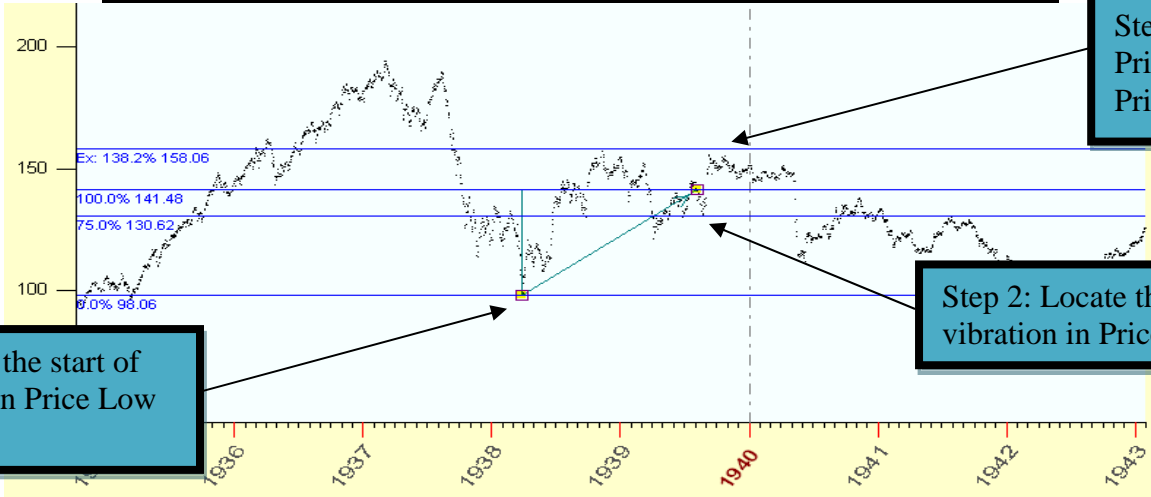


Step 3: Locate then the target of the present cycle which is the start of the next cycle, 0% for the High in Price.

Step 2: Locate the start of the present cycle, 150% for the Low in Price.

**Determining the In-Line (Dual) Vibration with 138% Price Projection**

Step 1: Locate the start of the cycle, 0% in Price Low (vertical).

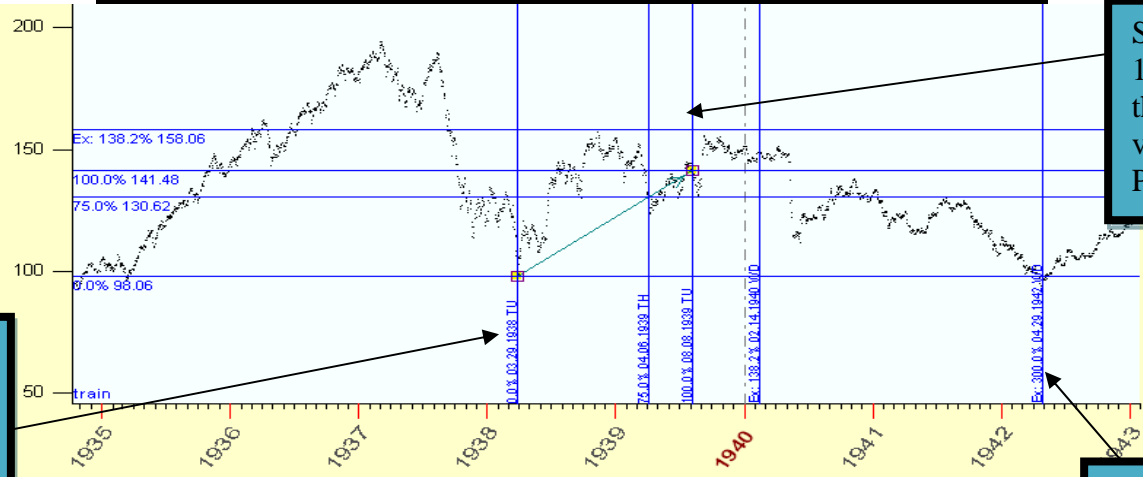


Step 3: Project in Price at the 138% Price Level.

Step 2: Locate the 100%-75% vibration in Price.

**Determining in Time the 1942 Low Using the In-Line Cycle Vibration**

Step 1: Set the 0% Time at the Origin of the In-Line Cycle 0%.

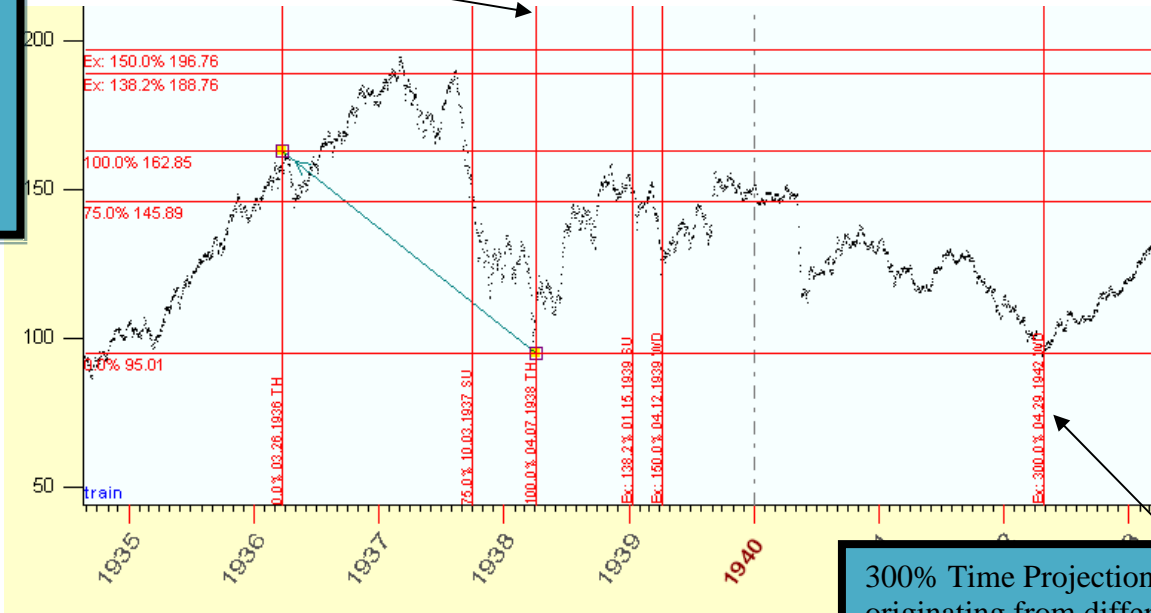


Step 2: Set the 100% Time at the 100%-75% vibration in Price.

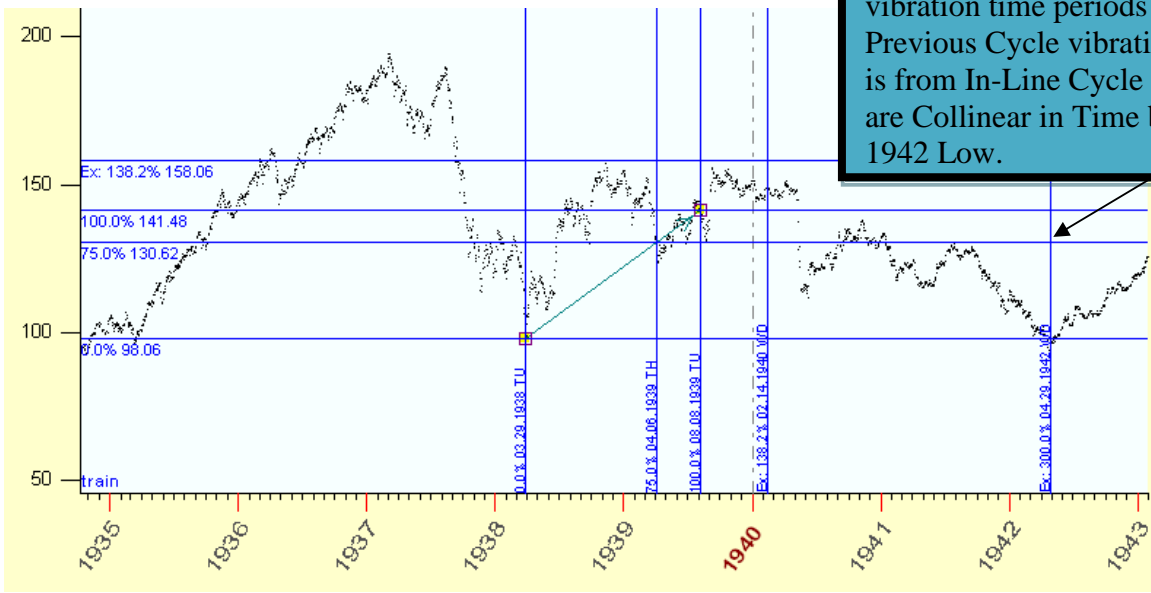
Step 3: Project in Time (horizontal) 300%.

The 100% Time projection from the Previous Cycle vibration is collinear with the 0% Time projection from the In-Line Time projection.

### Comparison of Both Cycle Charts and Determining in Time the 1942 Low



300% Time Projections from originating from different cycle vibration time periods (red is from Previous Cycle vibration and blue is from In-Line Cycle vibration) are Collinear in Time both at the 1942 Low.



There is a phenomena taking place for these time cycles as shown above, the 100% and 0% alignment in Time will determine the 1942 Low at a common 300% extension in Time.

## Determining the 2009 Low in Price using the Previous Cycle Vibration

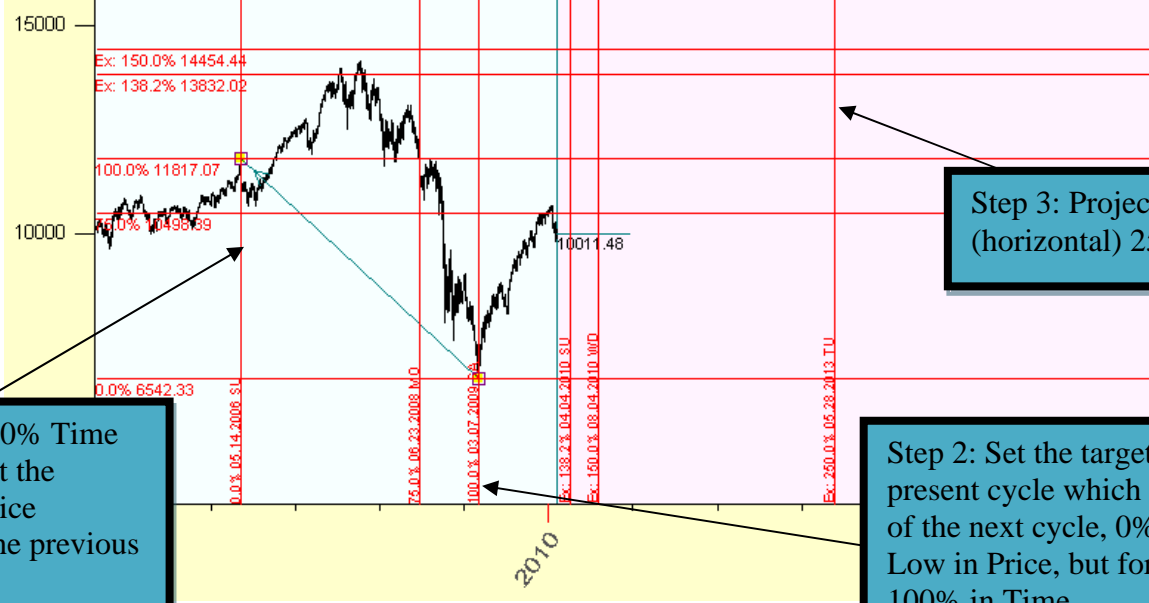
**Step 1:** Locate the 100%-75% Price Vibration (vertical) in the previous cycle.



**Step 2:** Locate the start of the present cycle, 138% for the High in Price.

**Step 3:** Locate then the target of the present cycle which is the start of the next cycle, 0% for the Low in Price.

## Forecasting in Time the June 2013 Low Using the Previous Cycle Vibration



**Step 1:** Set as 0% Time (Horizontal) at the 100%-75% Price Vibration in the previous cycle.

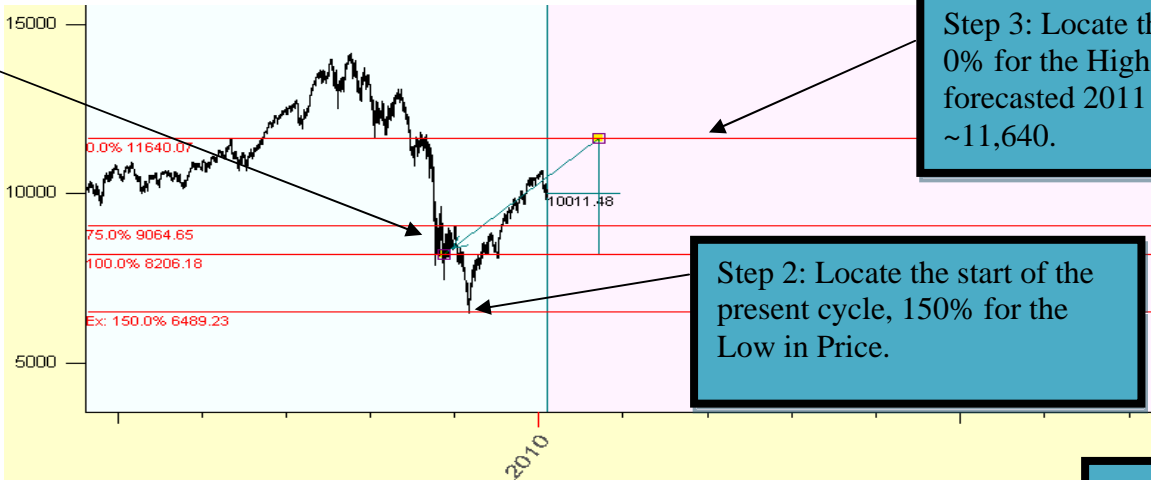
**Step 2:** Set the target of the present cycle which is the start of the next cycle, 0% for the Low in Price, but for now as 100% in Time.

**Step 3:** Project in Time (horizontal) 250%.

The top chart analyzes the Price (vertical) Movement. The 2009 Low can be forecasted in Price by finding the 100%-75% Price Vibration and then using the 138% retracement to locate the Price High and then determining the price target at the 0% retracement.

The bottom chart analyzes the Time (horizontal) Movement. The 2013 Low can be determined in part by finding the 100%-75% Price Vibration and setting this to 0% in Time, then find the 0% price target (2009 low) as shown in the top chart and setting this to 100% in Time and then projecting in time 250%. It will be shown why the 250% should determine the June 2013 low on page 11.

### Forecasting the 2011 High Using the Previous Cycle Vibration

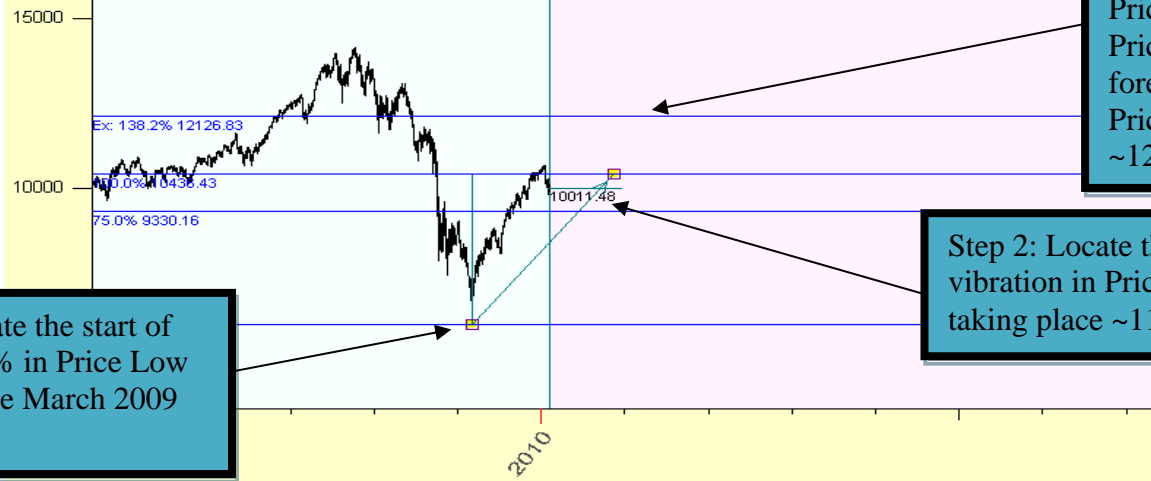


Step 1: Locate the 100%-75% Price Vibration (vertical) in the previous cycle.

Step 3: Locate then the target, 0% for the High in Price, forecasted 2011 High of ~11,640.

Step 2: Locate the start of the present cycle, 150% for the Low in Price.

### Forecasting the In-Line (Dual) Vibration with 138% Price Projection

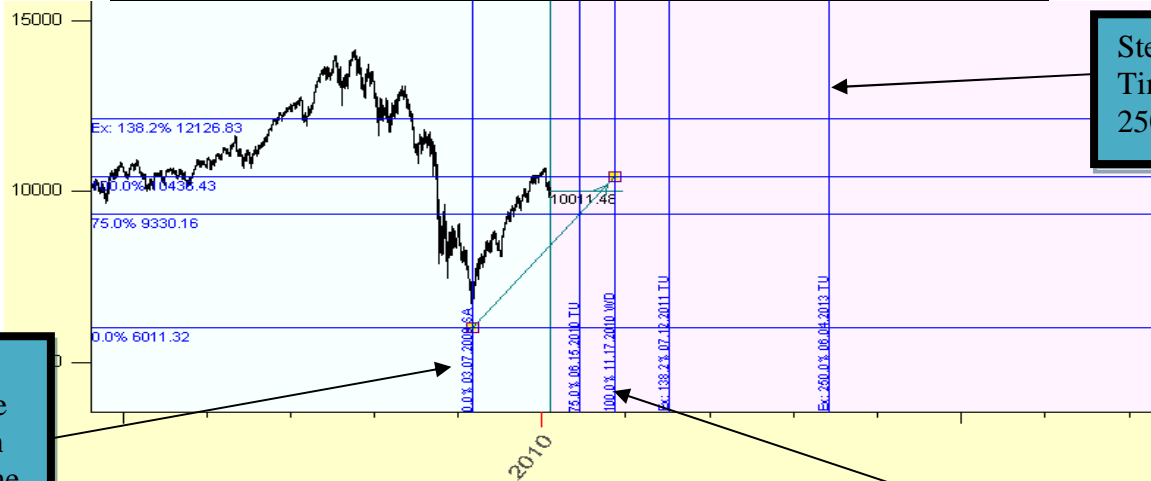


Step 1: Locate the start of the cycle, 0% in Price Low (vertical), the March 2009 Low.

Step 3: Project in Price at the 138% Price Level, forecasted 2011 Price High of ~12,100.

Step 2: Locate the 100%-75% vibration in Price, forecasted taking place ~11/2010.

### Forecasting in Time the 2013 Low Using the In-Line Cycle Vibration



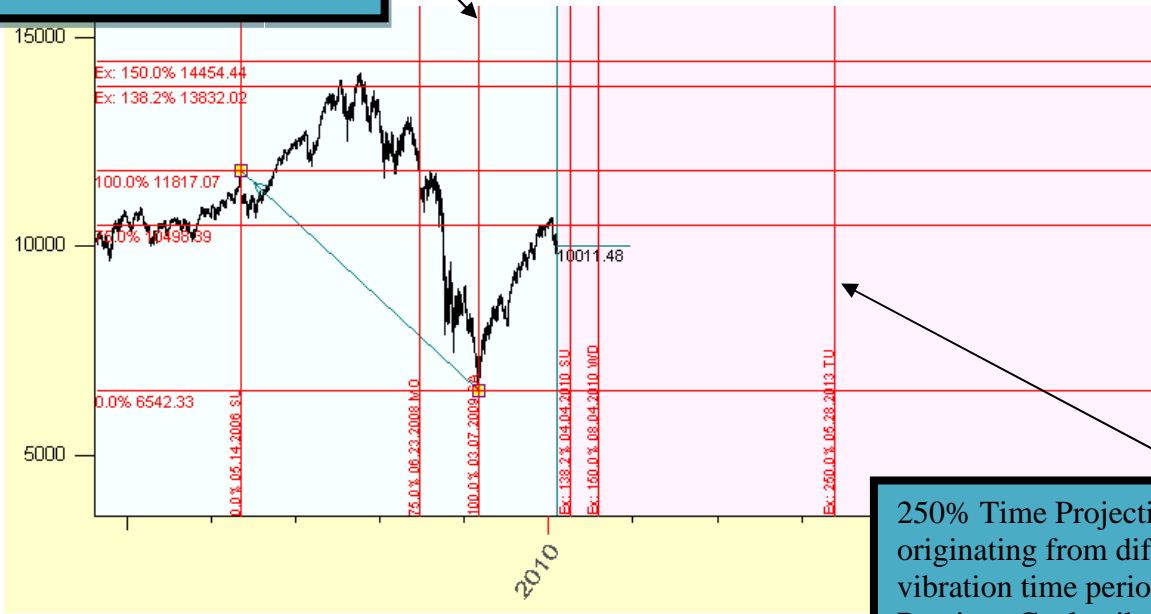
Step 1: Set the 0% Time at the Origin of the In-Line Cycle 0%.

Step 3: Project in Time (horizontal) 250%.

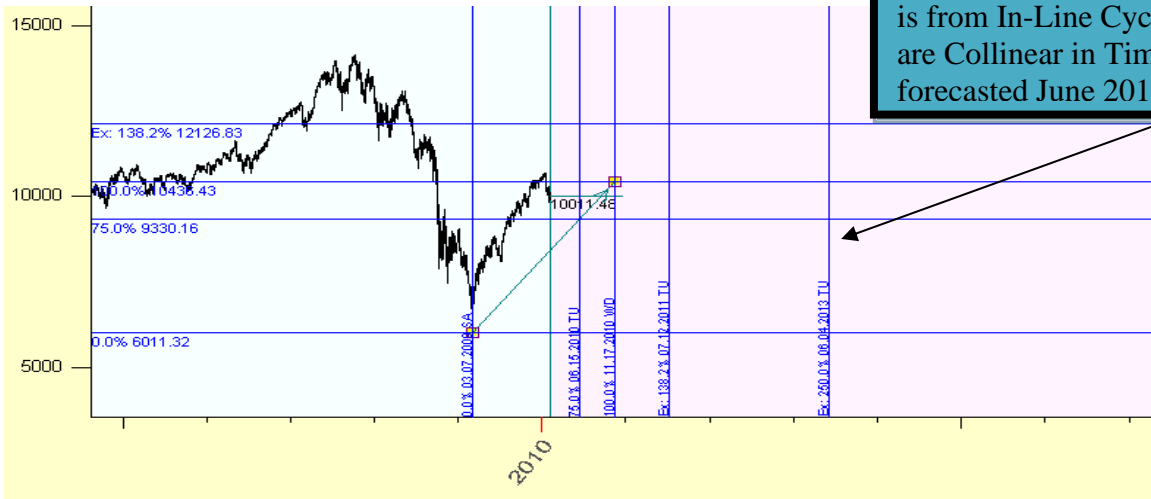
Step 2: Set the 100% Time at the 100%-75% vibration in Price.

## Comparison of Both Cycle Charts and Forecasting in Time the 2013 Low

The 100% Time projection from the Previous Cycle vibration is collinear with the 0% Time projection from the In-Line Time projection.



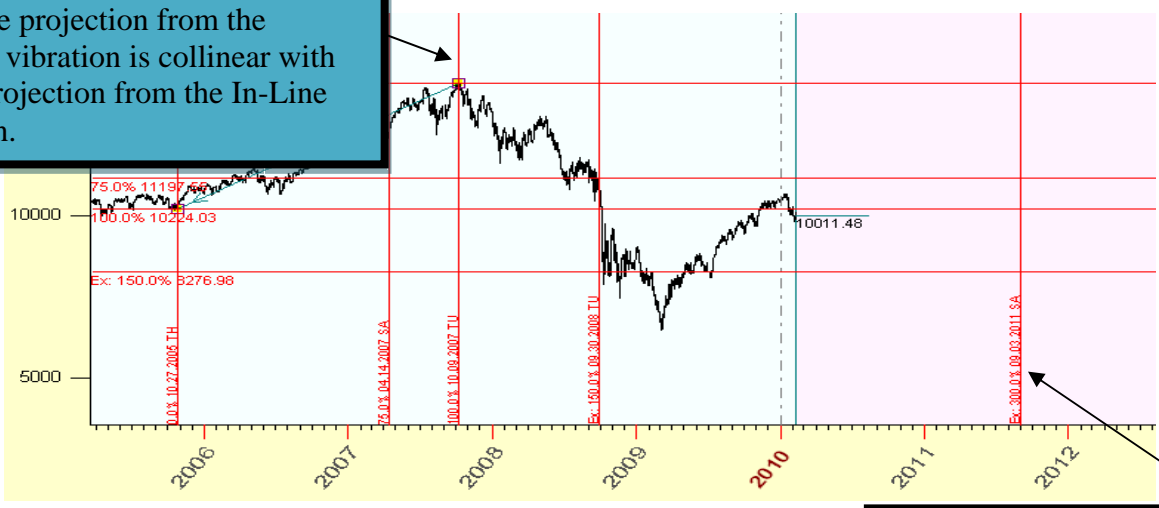
250% Time Projections from originating from different cycle vibration time periods (red is from Previous Cycle vibration and blue is from In-Line Cycle vibration) are Collinear in Time both at the forecasted June 2013 Low.



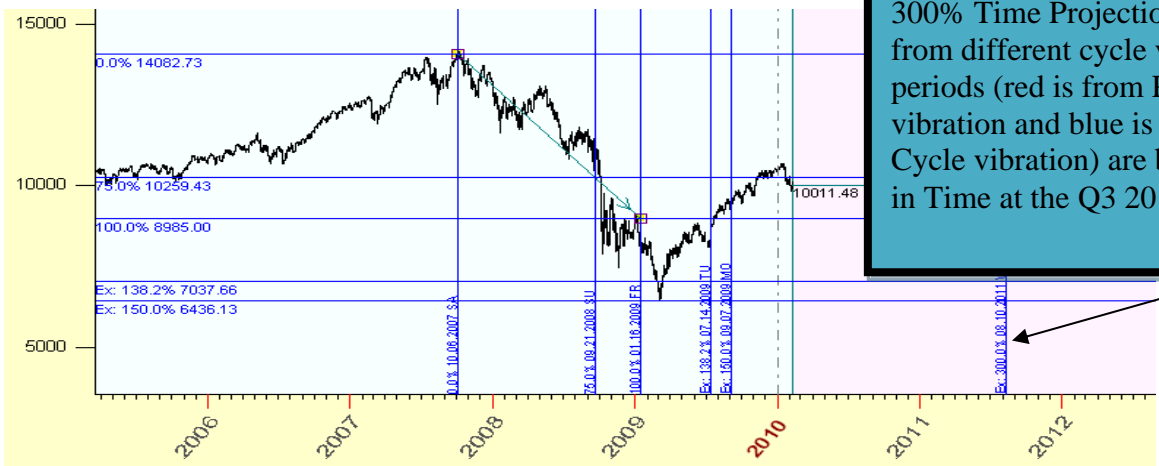
There is a phenomena taking place for these time cycles as shown above, the 100% and 0% alignment in Time should determine the 2013 Low at a common extension in Time, that being 250%.

### Calculating in Time the 2011 High

The 100% Time projection from the Previous Cycle vibration is collinear with the 0% Time projection from the In-Line Time projection.



300% Time Projections originating from different cycle vibration time periods (red is from Previous Cycle vibration and blue is from In-Line Cycle vibration) are both Collinear in Time at the Q3 2011 High.



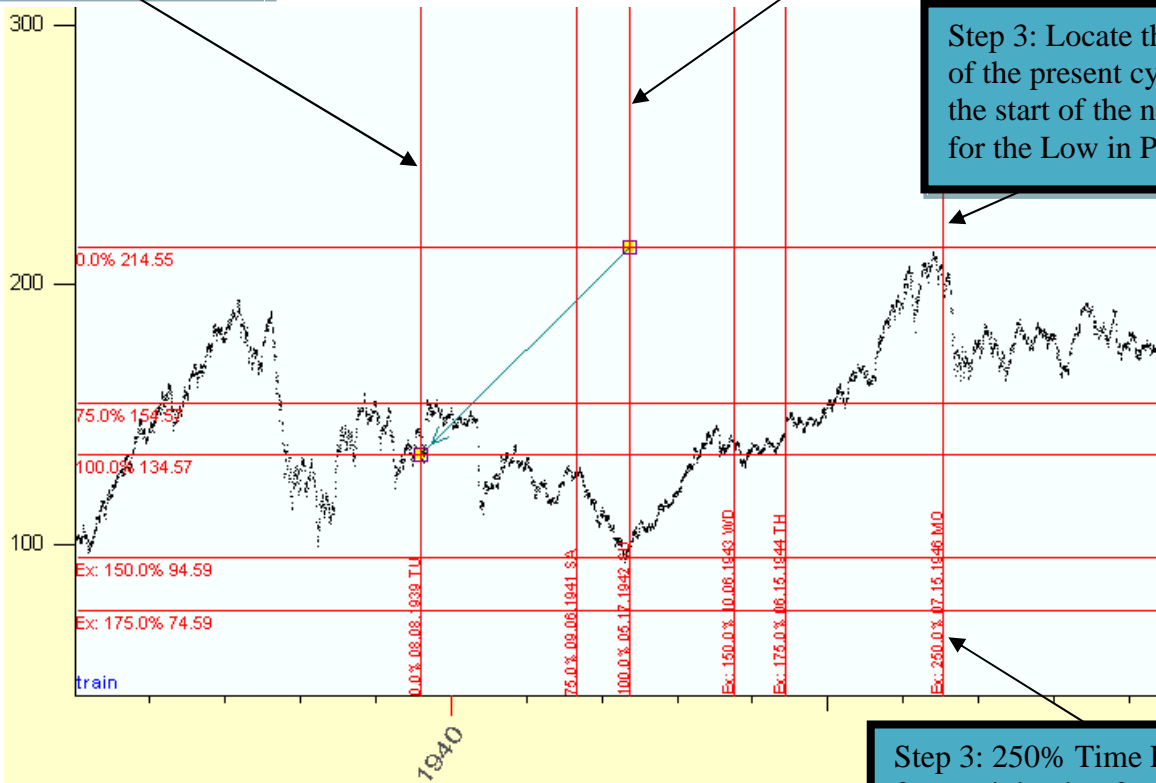
There is a phenomena taking place for these time cycles as shown above, the 100% and 0% alignment in Time should determine the Q3 2011 High at a common extension in Time, that being 300%.

Step 1: Set as 0% Time (Horizontal) at the 100%-75% Price Vibration in the previous cycle.

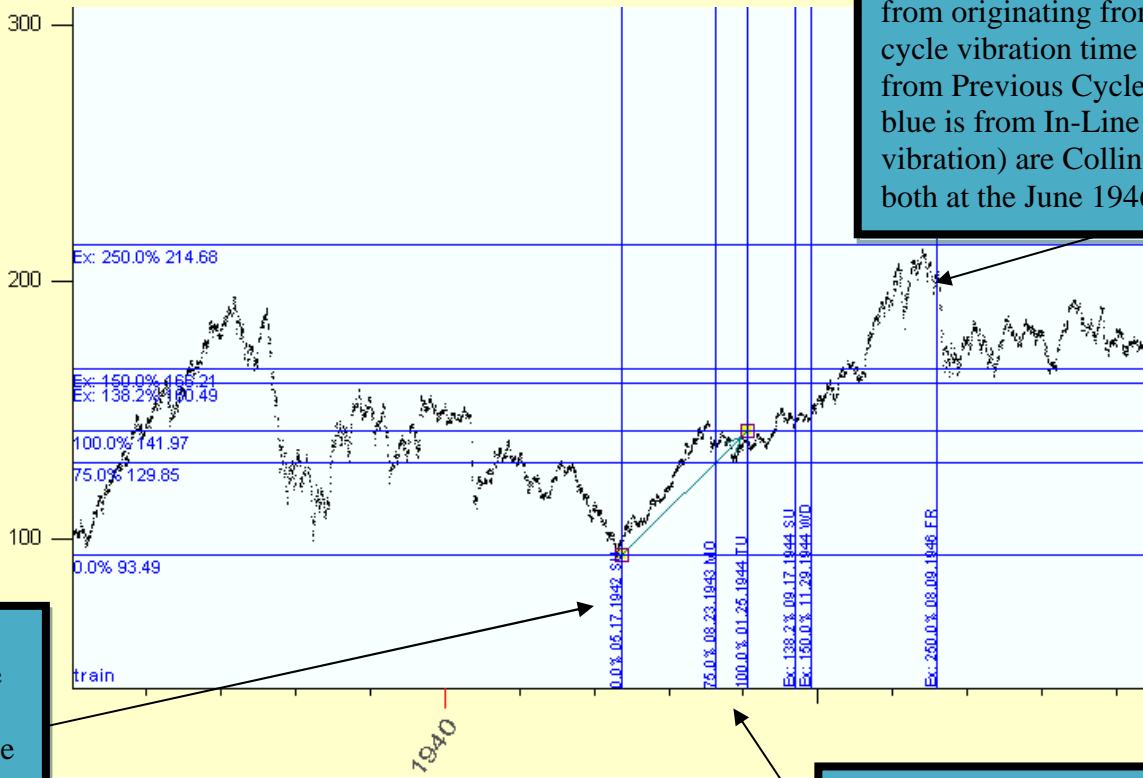
Step 2: Set the target, 0% for the Low in Price, but for now as 100% in Time.

**Calculating in Time the 1946 High**

Step 3: Locate then the target of the present cycle which is the start of the next cycle, 0% for the Low in Price.



Step 3: 250% Time Projections from originating from different cycle vibration time periods (red is from Previous Cycle vibration and blue is from In-Line Cycle vibration) are Collinear in Time both at the June 1946 High.



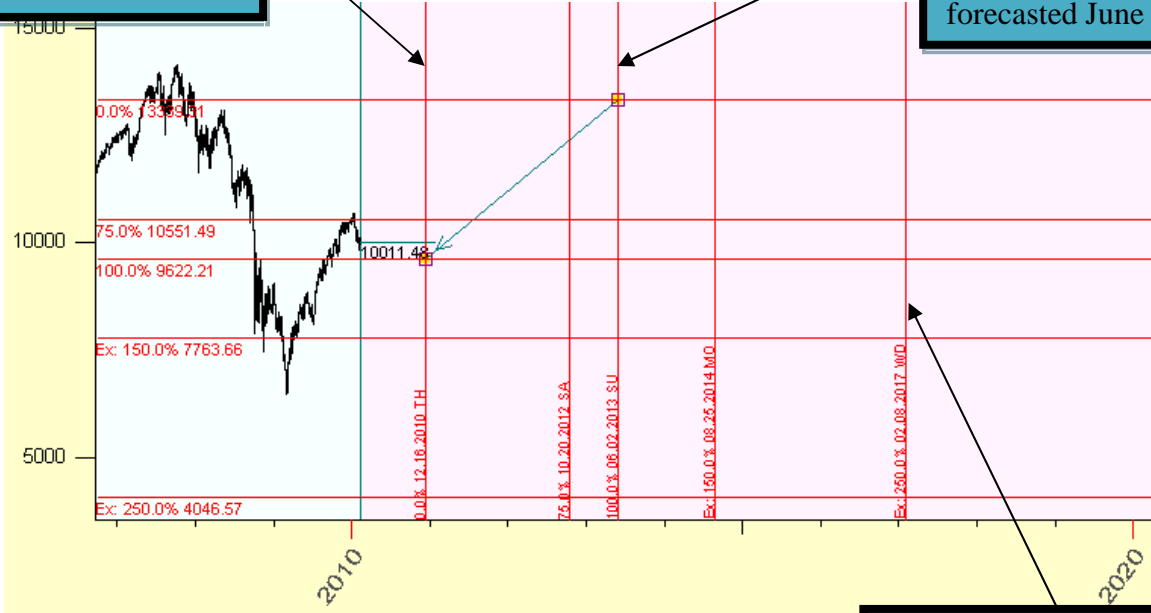
Step 1: Set the 0% Time at the Origin of the In-Line Cycle 0%.

Step 2: Set the 100% Time at the 100%-75% vibration in Price.

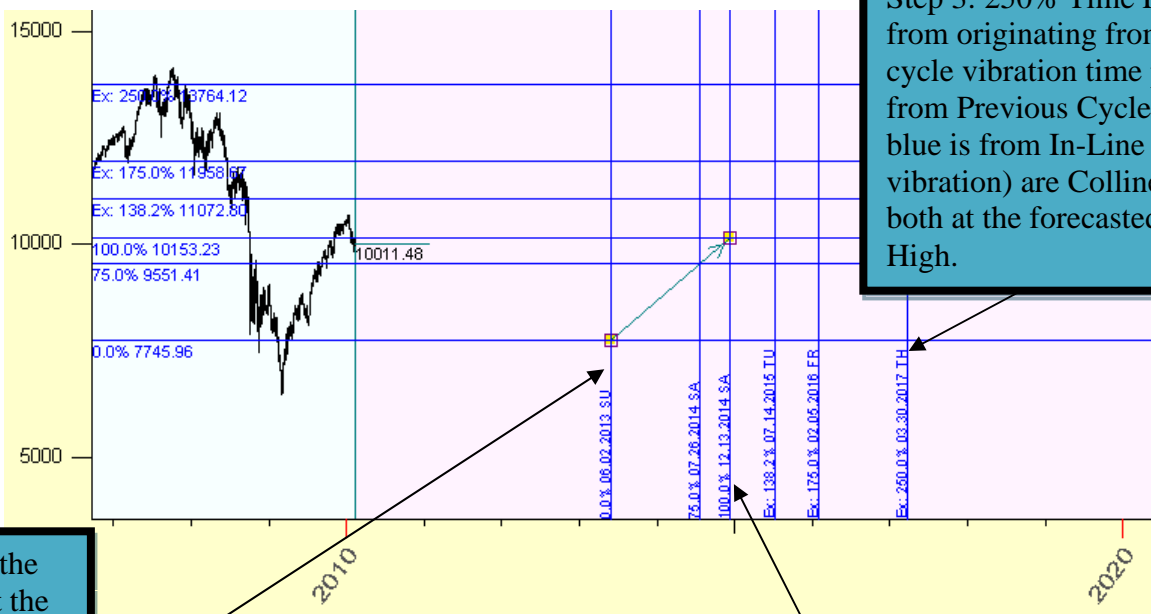
### Calculating in Time the 2017 High

Step 1: Set as 0% Time (Horizontal) at the 100%-75% Price Vibration in the previous cycle, forecasted November 2010.

Step 2: Set the target of the present cycle which is the start of the next cycle, 0% for the Low in Price, but for now as 100% in Time, this is the forecasted June 2013 Low.



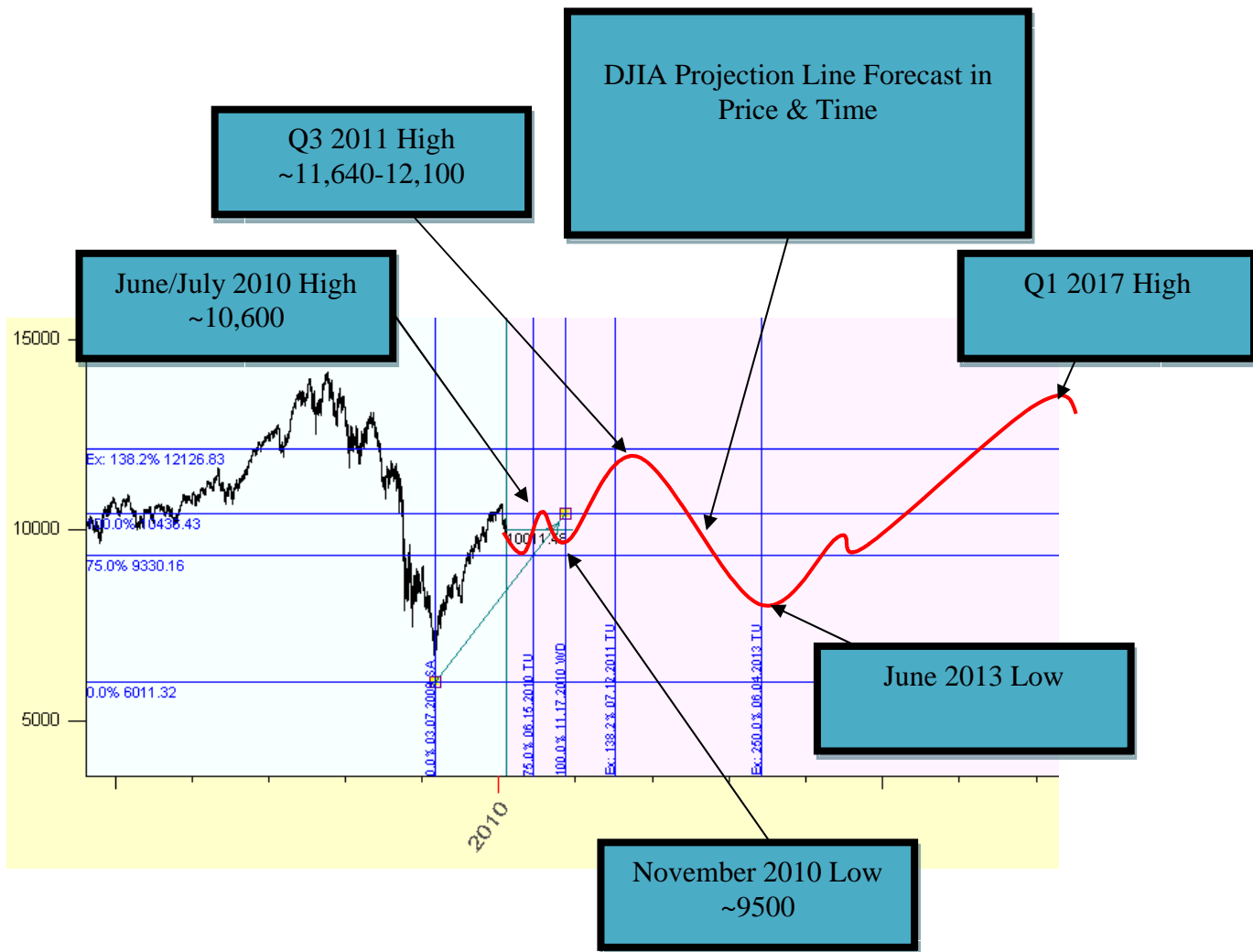
Step 3: 250% Time Projections from originating from different cycle vibration time periods (red is from Previous Cycle vibration and blue is from In-Line Cycle vibration) are Collinear in Time both at the forecasted Q1 2017 High.



Step 1: Set the 0% Time at the Origin of the In-Line Cycle 0%. This is the forecasted June 2013 Low.

Step 2: Set the 100% Time at the 100%-75% vibration in Price.

## DJIA Forecast 2010-2017



The chart above, based on previous illustrations, forecasts in Price & Time the DJIA. As time continues, using the mathematical relationships outlined, the Forecast can be updated to best match the actual Price & Time values.

“The Bible says that where two or three are gathered together, there God will be to own and to bless. Since God created the world, the Holy Trinity has been the greatest power and it is referred to many times in the Bible as Father, Son and Holy Ghost, and on this mundane sphere we know that happiness comes to husband, wife and child. The Bible says that one cannot do much alone, that there is need of two together, and that a threefold chord is not easily broken.”<sup>iii</sup>

“You will want to understand more about the Bible. Then read the Bible three times and you will know why it is the greatest book ever written. It contains the key to the process by which you may know all there is to know and get all that you need to supply your demands and desires. You will appreciate why Solomon said, ‘Wisdom is the principal thing: therefore get wisdom and with all thy getting, get understanding.’ The future will become an open book. You will know that by following the laws laid down in the Bible, man’s last great enemy, Death, will be overcome and will understand why Jesus rose on the third day and rested on the seventh day.”<sup>iv</sup>

“He studied the Bible day and night, worked on his plans for the future and continued his investigation of science, for he believed that the Bible was the key to the process by which man may know all there is to know. He realized that by studying it he might be able to forecast the future and benefit himself thereby.”<sup>v</sup>

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2/20/10 Rev\_B. Modified charts on p. 13 and added quotations by W.D. Gann on p. 17.

3/14/10 Rev\_C Modified .pdf.

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<sup>i</sup> L. Peter Cogan, The Rhythmic Cycles of Optimism and Pessimism, William-Frederick Press. New York, 1969.

<sup>ii</sup> Bradley F. Cowan, Pentagonal Time Cycle Theory. Bradley F. Cowan, 2009.

<sup>iii</sup> W.D. Gann, Tunnel Thru the Air or Looking Back from 1940. Financial Guardian Publishing Co. New York, 1927, pp. 272-273

<sup>iv</sup> W.D. Gann, Tunnel Thru the Air or Looking Back from 1940. Financial Guardian Publishing Co. New York, 1927, Forward.

<sup>v</sup> W.D. Gann, Tunnel Thru the Air or Looking Back from 1940. Financial Guardian Publishing Co. New York, 1927, p. 50.