

## LESSON IX

## The CYCLES I COMPOSED To YOU: TO RE-UNITE THEM TOGETHER

Sufficiently it is accepted that all the things change, and that null really scompare, but that the sum of the matter exactly remains the same one.
Francisco Bacone (1626 After Christ).. Cogitationes de Rerum Nature

## INTRODUCTION

The previous lessons have studied the correlation between the cycles in the securities market and the movements of planets through their aces of $15^{\circ}$. Everyone of these cycles and their harmonicas exercise the own infuence on the psycology of the human mass, that it can be identified and be measured with the study of the relative changes you in the price - time. The effect clearly of these cycles characterizes them, known like simple members, the composita wave is called "", and is what time is seen on the diagrams price -
This lesson will use the planetary cycles and their harmonicas, identifies to you in Lesson VIII, I PLANETARY CYCLES, like simple members in order to create a composita wave that accurately time in the securities market models to the behavior of the price -. The employed techniques are only in the fact that are based on a determination of dominant planetary harmonicas and the containing borders these effects base to you on geometry of Part I. To dispetto of the period of studied time, passed or future, the techniques used under in order creating the composita wave can be used in order to model to the price - time. The principles are equally applicable to every period of time since the movements of planets and theirs harmonic correspondents are not only easy calculate years to you ago but also in the future.
In order to develop a wave composita from the cycles it characterizes them simple the technique described in the Lesson WAYS, The CYCLES, than rimuoveva the members it characterizes them from the existing data of the securities market, is invert. This approach differs from those used from the contemporary analysts of the cycle who try to create an accurate one and composite model adding together a variety of simple members and expects this SUM to model the behavior of the financial market. However, as it was demonstrated in the Lesson WAYS, The CYCLES, this sum only creates SHUNTING LINE PERCENTAGE FROM THE TENDENCY. In order to arrive to the final model, THE SUM MUST BE MULTIPLIED FOR GREAT TENDENCY PIU'. The CONTEMPORARY METHODS IN ORDER TO CREATE WAVES COMPOSITE
The market analysts have tried for years to create a composita wave that in reliable way foretells the behavior of the financial market. The approach more commonly used is the simple "sum of the single waves", that it uses the single waves like simple members. These "cycles", that they are really rhythms, are shown in Figure 9.1.
The effort in order to create an accurate model from the simple waves is frustrated when it turns out to you follow the data of the real life for a short period of time and then "without warning" they turn aside from it. Incurante of the periods of the used rhythms in order to create the composita wave, always has been only obtained marginal happening. The error fatal in the approach used from these analysts lack of understanding of the nature of the "simple members" is one. That is, they do not know which cycles to add together, and in order which period of time these simple members will repeat themselves expectably. The reasons of their problems are:

1. The DURATION Of the EFFECT OF A SIMPLE E' CYCLE DEFINED WITHIN the

LIMITS Of The UNFOLDING FACE Of The GEOMETRIC STRUCTURE. This it was demonstrated in the Lesson WAYS, The PLANETARY CYCLES, where the phase and the regularity of the cycles were shown to change when to the action price - time moved in a new square, like when square 1949 was completed - 1966.
2. The simple members do not follow one constant regularity. Lesson V, The CYCLES, it has shown as the member time of a cycle depends on the angle that the base of the equilateral triangle assumes with the axis of the time.
3. Since the cycles are elliptic, their speed are not constant, turning out in several amounts of time that pass as the cycles pass through their aces of $15^{\circ}$.
4. The simple members can coincide, like explained in Lesson II, THE ELLIPTIC NATURE OF THE PRICE - TIME.
5. The simple members not necessarily begin or end to the prices minimums or maximums. This also was explained in Lesson II, THE ELLIPTIC NATURE OF THE PRICE - TIME TO USE The WAVES To TRIANGLE LIKE SIMPLE MEMBERS
The various shapes of wave from the single waves also are used in order to create the composite ones. Most common than these it is the simple wave to triangle, that easy understanding of the base theory will be used in the following argument for one.
Figure 9.2 extension two waves to triangle with the simple cycle B that completes six rhythms in the same interval of time that To completes hardly four over. In order to simplify this analysis "the amplitude", or height, of both the waves is the same one. Although many analysts currently use this type of model in order to try to project the price - time, the reader would have hour to be aware of the excessive simplification of this approach. The previous lessons have tried that the rhythms of the price time does not follow of the linear trajectories, like shown in Figure 9.2. Rather, the cycles are elliptic.
(a)

Sin Wave 1
(b)

Sin Wave 2
(c)

Composite
$(\operatorname{Sin} 1+\operatorname{Sin} 2)$


## Figure 9.1

"Sum of the single waves": the traditional method to create the composite ones. Figure 9.2.c extension "the composita" wave, that is, the sum of the two simple cycles. This figure extension areas where the composita one clearly has a movement much small and areas where is great oscillations. The areas where there are great clean oscillations happen when the simple members "interfere constructively". This effectively happens when the two waves are muovendo in the same direction at the same moment, reinforcing itself an other.

## (a) Cycle A

## (b) Cycle B

## (c) Composite

 ( $\mathrm{A}+\mathrm{B}$ )

## Figure 9.2

Composita of simple waves to triangle.

## "YOU STRIKE YOURSELF" Of the SECURITIES MARKET

The cycles "interfere destructive" when they move in opposite directions, reducing theirs arranged effect clearly. There are two areas in Figure 9.2.c where the two simple members produce composita one near the zero. The areas of small movement clearly are calls "nodes" and have been reported various times in this course. I musicians recognize "the struck" nodes like, that they happen when the sonorous waves with different frequencies are added together in order to produce a reduced effect clearly. This is felt like a rhythm push-button. Every how much these you strike yourself happen it is called "frequency of the heartbeat", and is determined embezzling the frequencies of the two simple members. As an example, the difference between the simple waves in Figure 9.2 are two, that is, six little equal four two. The nodes of the financial market are present on all the scales of the time and happen where the action price - time is described like lack of "unstable" tendency and. As an example, between February 1966 and August 1982 large one existed a node much. This coincided with the phase descendant of the quarter of cycle of Urano, interfering effectively with the positive process clearly of increase. On a smaller scale of time, a node for six months between 27 March 1986 and the 29 has existed September 1986. This node coincided with the cycles Giove - Urano and Giove - Saturno that withdrew within the greatest tendency towards the high. These cycles were explain to you in Lesson VIII, The PLANETARY

## CYCLES.

Similarly, the data that are record to you in the shape of minuteren show nodal areas where simple cycles of short term have turned in the opposite direction of the greater tendency.

## COMPOSITE OF MULTIPLE CYCLES

Figure 9.3 extension four simple waves to triangle with periods of 52, 20, 14 and 2 months. All these cycles begin "in phase". That is, they begin to the same minimum and they are in increase. If someone of these cycles has been moved outside of phase with the others the composita one it will change. The sum of the simple waves (the composita one) is shown under the four simple waves. The reader would have to take the time in order to study as this composita changes shape while every simple member inverts the direction.

Figure 9.4 extension same the four waves to triangle of Figure 9.3 with one added linear tendency 1 x 1 in the composita one. It confronts this type of model with period 1949-1970.
A way easy in order to study the effects of simple various waves on one composita is with a sheet of program opened on a computer. These programs add together many simple cycles automatically how many the inner memory of the computer will allow. The automated possession this process allows to the experimentation with one variety of combinations in a short period of time.


Figure 9.3
Composita of waves to triangle with the same periods of the greater planetary harmonicas: 52, 20, 14, 2 months. Famous the top rounded off while the cycles of 52 months and 20 months withdraw to various periods.


Figure 9.4
The waves composite from Figure 9.3 with the included linear tendency 1 x 1.

## TO CREATE THE COMPOSITA OF REAL LIFE OF THE SECURITIES MARKET

Lesson V, The CYCLES, it has shown as the cycles are traditionally isolate in the financial markets with the analysis of the shunting line percentage to you from one medium piece of furniture. This approach begins with a composita wave, removes the tendency dividend the data of the price - time in the average mobile, then detrae every cyclical member characterizes them, that is, the simple cycles. In order to produce a composita wave they are you invert the methods used in Lesson V. That is,

1. The cyclical members characterize are added them together producing to the shunting line percentage from the fundamental tendency.
2. The future tendency is determined from the analysis of the positions of the longer cycles. This tendency is one function of the length of the structure of to be studied time. If a tendency of
seven years is large enough the movement of Urano between its aces of $30^{\circ}$ is used. If need of a longer tendency of the seven years is had the quarter of cycle of Urano of 21 years is used, and the cycle of seven years becomes an other simple member to be added in the composita one. If the analysis covers five years or less the cycle of five years of Saturno for the tendency is used.
3. The result of the addition of the simple members in the point (1) is multiplied for tendency from point (2).
In order to demonstrate to how much closely this method it foretells the activity of the securities market, will be modeled very known period from the minimum of 11 August 1982 until the landslide in October 1987. Lesson III, INCREASE MODELS, it identified this period in the DJIA like a complete cycle of increase of five years.
The first step in accurate developing a composita one of securities market is to determine ciascuna simple member characterizes them. This step is the more important because after that is she determines to you the simple members are simply one issue to apply the mechanical techniques in order to derive the composita one.
Since the speed of the cycle Giove - Saturno during this period it was such that it covered $45^{\circ}$ during ognuna of the sections of $15^{\circ}$ of Saturno - Urano, eighth of $22^{\circ} 30^{\prime}$ of Giove - Saturno it was reinforced from eighth of $15^{\circ}$ of Saturno - Urano, and therefore is used like one of the simple members. The method in order to determine that this harmonica is a meaningful cycle was explained to the end of Lesson VIII, The PLANETARY CYCLES.
During this model of increase of five years the cycle of five years of Saturno defined the greatest tendency than a point for ag day. That is, the linear approximation of the tendency followed the angle of $45^{\circ}$ on the every day diagram.
The simple added cycles together in order to produce to the shunting line percentage from the tendency are:
4. The eliocentrici movements of $15^{\circ}$ of the cycle Saturno - Urano.
5. The eliocentrici movements of $15^{\circ}$ of Giove - Saturno.
6. The eliocentrici movements of $15^{\circ}$ of the cycle Giove - Urano.
7. The eliocentrici movements of $22^{\circ} 30^{\prime}$ of the Giove cycle - Saturno.

Figure 9.5 extension the four simple members lists to you over, including the angle between planets and the respective date.
The harmonica of $22^{\circ} 30^{\prime}$ of Giove - Urano is not included in this composita because it was not reinforced from a harmonica of an other cycle more strongly of the second one eighth. This contrasts with period 1973-1974 described in the previous lesson where the $22^{\circ} 30^{\prime}$ of the cycle of Giove - Urano was included and it it was not the harmonica of $22^{\circ} 30^{\prime}$ of the cycle of Giove - Saturno. If this explanation familiar sound you do not see again the last section of Lesson VIII, The PLANETARY CYCLES, where this technique is explained.
Although the spaces between the aces of the cycles in Figure 9.5 like are defined over in points (1) - (4), these angles are not on the axis of $15^{\circ}$. Every planetary combination esperimenta the effect of its aces a [1]
characteristic number of degrees from the perfect angle. The shunting line from the perfect angle is only fixed within the face of the geometric structure in sight. As an example, within square 1982-1987 the aces of Saturno - Urano is situates to you $5^{\circ} 30^{\prime}$ before the perfect angle. The 26 You open them 1983 the $15^{\circ}$ of the Saturno cycle - Urano withdrew when the angle between they was $35^{\circ} 30^{\prime}$, that it was $5^{\circ} 30^{\prime}$ before the perfect angle of $30^{\circ} 00^{\prime}$. Similarly, everyone of the angles shown in Figure 9.5.to they are $5^{\circ} 30^{\prime}$ before the ideal aces of $15^{\circ}$. The fact that the effects of a cycle are meets to you before the ideal angle is not a problem because:

The RELATIVE SPACE BETWEEN The ACES IDENTIFIES The REVERSAL POINTS
The space between the aces of the Saturno cycle - Urano between the 26 You open them 1983 and 25 August 1987 was $30^{\circ} 00^{\prime}$.
In order to create the composita wave the angles between the cycles Giove - Saturno and Giove - Urano
will be measured to the degree, rather than to the minute, rendering easier for the reader to verify the data. Since these two cycles are relatively fast in the movement, the error introduced from the single measurement to the degree will be smaller of one week. Since the Saturno cycle - Urano moves very slower of the others, its data will be measured to the average degree. The angles used for every simple member are like follow:

1. Saturno - Urano $5^{\circ} 30^{\prime}$ before the axis of $15^{\circ}$.
2. Giove - Saturno $2^{\circ} 00^{\prime}$ before the axis of $15^{\circ}$.
3. Giove - Urano $2^{\circ} 00^{\prime}$ before the axis of $15^{\circ}$.

It observes, the cycles from the movement faster esperimentano their effects much nearer the perfect aces of $15^{\circ}$ regarding the cycles from the slower movement.
If the greater resolution is wished, the angles measured to the minute where the cycles really invert are list to you under:

1. Saturno - Urano $5^{\circ} 27$ before the axis.
2. Giove - Saturno $2^{\circ} 10^{\prime}$ before the axis.
3. Giove - Urano $1^{\circ} 30^{\prime}$ before the axis.

When the four simple cycles shown in Figure 9.5 are added together, are created the shown composita one in Figure 9.6.to. This composita establishes the shunting line percentage from the below tendency, like explained in Lesson V, The CYCLES.
Figure 9.6.b extension the tendency during this period of increase of five years. This tendency advanced to the relationship of a point for ag day (angle of $45^{\circ}$ on the every day diagram) within the borders of the movement of $60^{\circ}$ of Saturno, that is, from $21^{\circ}$ Balance to $21^{\circ}$ Sagittario. When this distance of $60^{\circ}$ had been crossed was completed the model of increase of five years.
When the sum from Figure 9.6.to it is multiplied for the tendency shown in Figure 9.6.b, the turning out product is the model for the securities market during this period of time. This product is shown on Diagram IX.To. Under the model is designed puts into effect it them DJIA during this period of time. The differences between the model and the data put into effect were caused them from the reasons previously described. If the simple cycles are modified in order to include in the account the elements list to you under, the result more will be taken care of model of the securities market during this period.

1. The smaller shunting line that happened in November 1985 was to the point finishes them of the ellipse shown on Diagram II.D.
2. The cycles more discs of a valve, like the Mars cycle, were not included in the composita one.
3. The waves to triangle were used, rather of put into effect them costrutto elliptic, therefore that the general technique could easy be comprised.
4. The infuence orbit is measured to the degree, rather than to the minute.

## The CHANGE Of The INFUENCE ORBITS

Like with many other problems in the analysis of the financial market, the change "of the infuence orbit" is explained from market geometry. The orbits of infuence listed in the previous section are alone in practical while the face of the cube under construction is in sight. When the cube wheel in order to expose one new makes the infuence orbit changes to the characteristic value towards that face. That is,

The DISTANCE BETWEEN The IDEAL ANGLE And WHERE The CYCLICAL EFFECTS CURRENTLY HAPPEN CHANGES WHEN IT CHANGES The FACE Of The GEOMETRIC STRUCTURE.
The analysts of the financial market, that they have tried in the past to show a correlation between the planetary cycles and the behavior of the financial market, have mistaken in establishing a fixed orbit of infuence, than they they have assumed did not change. This distance must be fixed when to the geometric structure wheel and exposes one new face.
After that the new face has ruotato in the sight, to determine the new orbit of infuence it is one simple issue of observation. That one that it is known like an infuence orbit is simply the alignment of the cycles within newly exposed geometric face. This concept was demonstrated in Lesson VIII, The PLANETARY CYCLES, where the cycles of the securities market were shown sincronizzare with the angles between planets when it began the new face of the cube. For example, already has been shown
that during square 1949-1966 the cycle of 52 months was synchronized with the movements of $30^{\circ}$ of the Saturno cycle - Urano. This square began in 1949 when the Saturno cycle - Urano was to $66^{\circ}$. The angle of $66^{\circ}$ was $6^{\circ}$ AFTER the perfect angle of $60^{\circ}$. This orbit of infuence of $6^{\circ}$ it was in vigor during the entire one squared 1949-1966. During this period everyone of the aces happened $6^{\circ}$ AFTER the ideal angle, that is,
$66^{\circ}$ in the $6 / 1949$ ( $6^{\circ}$ after the axis)
$96^{\circ}$ in the $6 / 1953\left(6^{\circ}\right.$ after the axis)
$126^{\circ}$ in the $10 / 1957$ ( $6^{\circ}$ after the axis)
$156^{\circ}$ in the $6 / 1962$ ( $6^{\circ}$ after the axis)
$173^{\circ}$ in the $10 / 1966$ ( $7^{\circ}$ after the axis)
Diagram VIII.G extension the cycle of 52 months in the DJIA during this period and the correspondents positions of the cycle Saturno - Urano.


Figure 9.5
The planetary cycles defining the simple members of the composita wave of the DJIA from the $8 / 1982$ to the 12/1987 (you see Diagram IX.To).
(a)

Composita of the planetary cycles between 1982-1987

## defining the shunting line percentage from the below tendency


(b)

Tendency below of a point for ag day defined from the movement of $60^{\circ}$ of Saturno (6/1982-10/1987)


## Figure 9.6

(a) Composita (sum) of the single shown planetary cycles in Figure 9.5
(b) Linear tendency of a point for day of ag (1982-1987)

## [1]

The astrologi they have identified this characteristic and labeled in the "orbit of infuence", that it is the distance before the ideal angle where the effects begin to being try to you. Since this term already is learned from many readers it will be used in this lesson.

