

Orbit the Tool: Tutorial 04



FU

2023

Orbit the Tool *(Working Prototype)*

Orbit the Tool

Mathematically, Orbit the Tool is an Oscillator Model of market movement. An oscillator model is a dynamical model in which the variable evolves through a periodic (or, in the case of markets, an aperiodic trajectory) or orbit (in ambient space or range). This periodic trajectory is a loop through ambient space as the state of the system returns to where it began after some indeterminate time. This loop through space is called the phase of the oscillator. Orbit the Tool follows this loop exactly for all electronically traded markets in real-time.

$$X_{n+1} = F(X_n)$$

New to Industry (NTI)

Zero Risk Trading

Visual, easy to learn and trade

Changes the Way Trading is Done Forever

Correct 100/100 Times

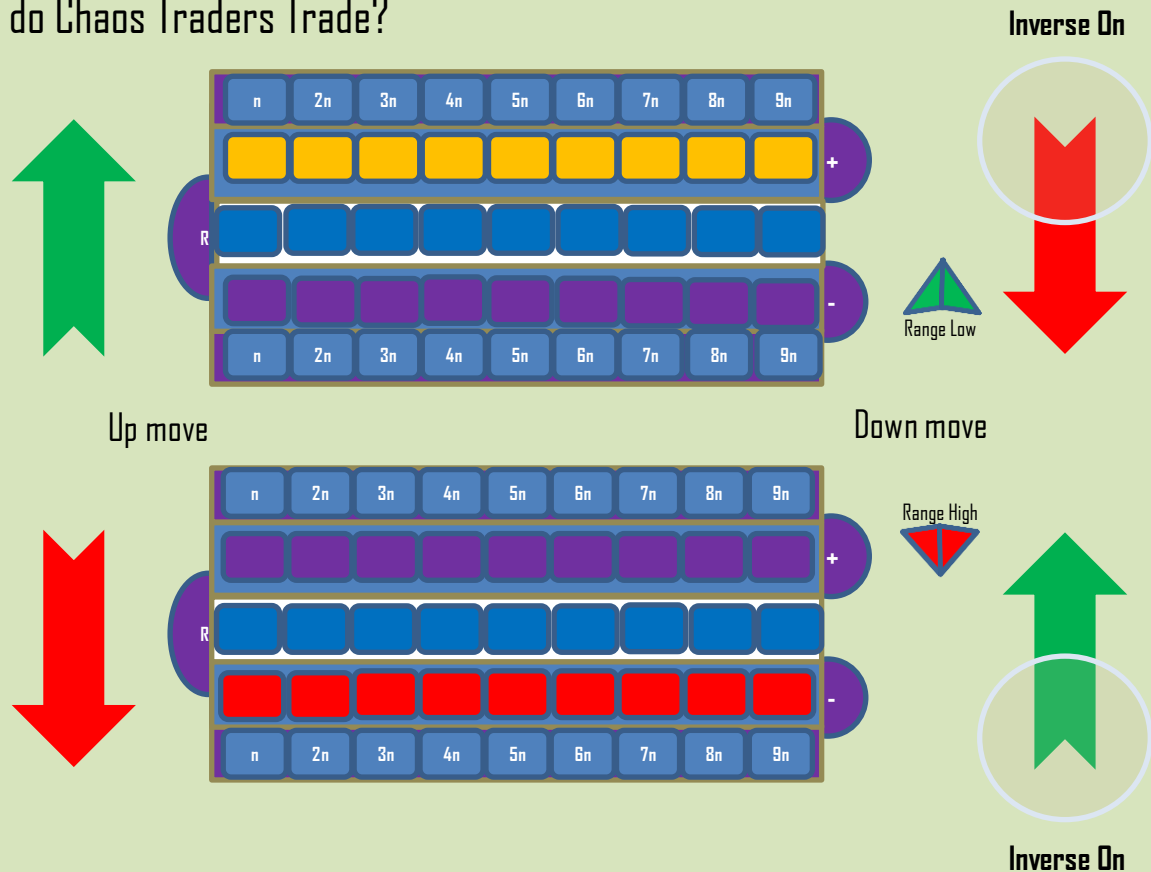


Orbit

FV

What do Chaos Traders Trade?

Note 1: You trade the simple idea that price at low calls a **high** next and price at high calls a **low** next. This **pattern** is constant and in the context that price moves in one direction at a time and to the same extent across all so-called time frames because there is only a **single** price point (The Singularity), and **NOT nine** at any time at all.



Note 2: I have established that, **a)** the market evolves by a **homeomorphic bijective** process, **b)** therefore, the system (market), is a **nested set of pivots**, **c)** defining a consistent **path** or **pattern** going up or down that (**Strange Attractor**). This is therefore, a complete mathematical solution. To take advantage of this solution **1)** you use your **eyes** to trace the said path or orbit by **flags** (Semaphores), **2)** enter trades at stops in the folding range (FLE), and or stretching range per the MRI tool at your discretion till market objective. We show you **how** this works in what follows, but the **thesis** matters as you are not free to vary it.

The Fractal Footprint as the Key into Market Dynamics

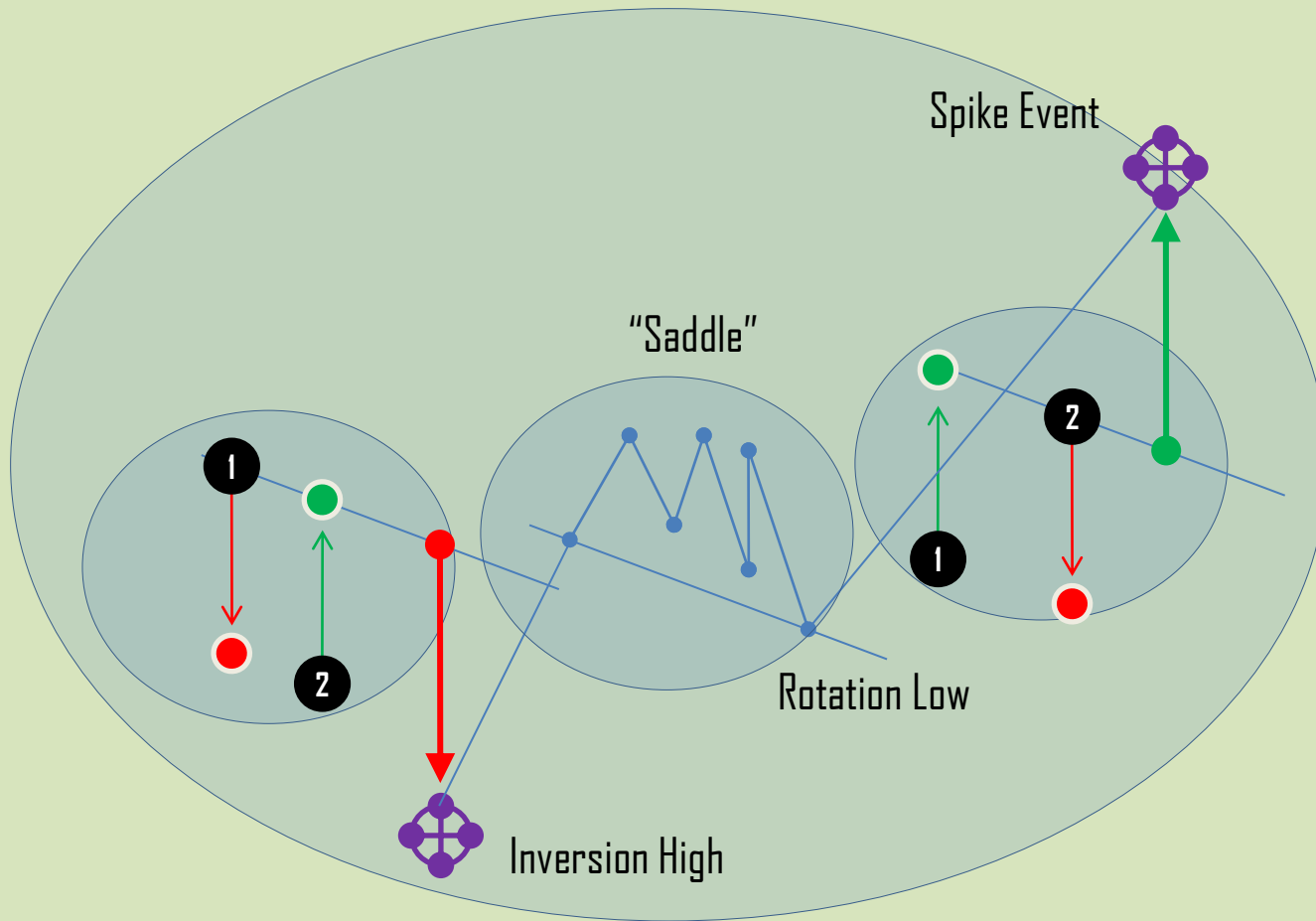
Knowledge is cumulative and especially so in a virgin sphere. My first significant discovery over the 10 years I studied the application of chaos theory and fractal geometry to traded markets was what I call the **fractal footprint** of markets – it was for the project groundbreaking. But what is a Strange Attractor?

Professor Lori Gardi offers very insightful definitions of what a Strange Attractor is and indeed how it might be viewed in practical terms here: <http://www.butterflyeffect.ca/Close/Pages/StrangeAttractors.html>. This merits thoughtful review in terms of how best to view the concept in relation to the market. However, the first of her definitions I find interesting and apt for the work at hand (all are powerful considerations and it depends on the reader in terms of application to decide which to pick).

In her first definition she offers that *“A strange attractor is a pattern existing in a complex mathematical space (or phase space). This pattern represents the path traced by a point in that space.”* This is easily adapted to market space if we understand the 2 dimensional market space experienced via trading platforms to be phase space equivalent, and there is no practical reason not to do so.

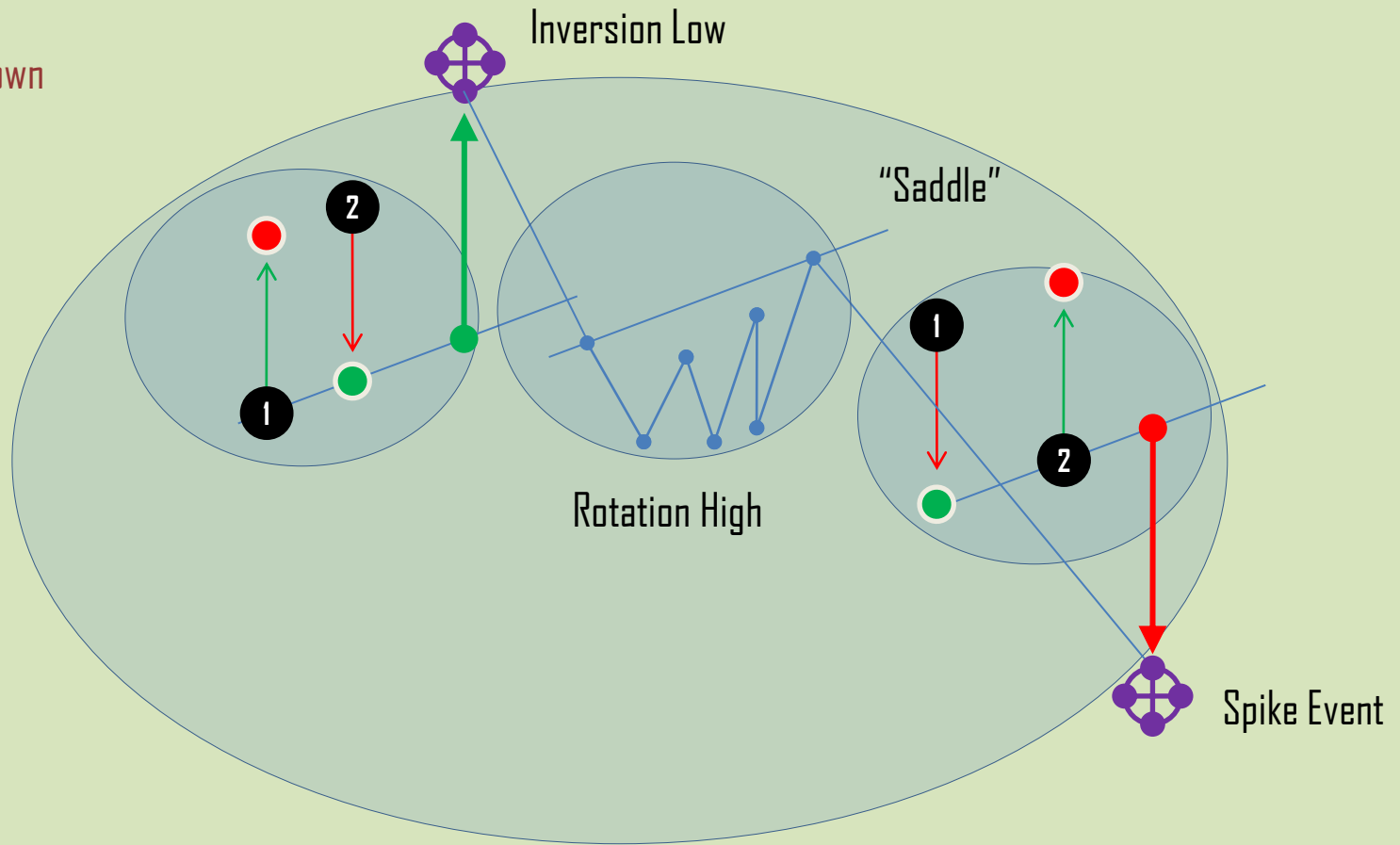
But why is this so important to understanding the dynamics of markets? Please review the last 2 slides in this series on the strange attractor to gain a sense. It is most critical to **understand** and apply the concept.

Strange Attractor



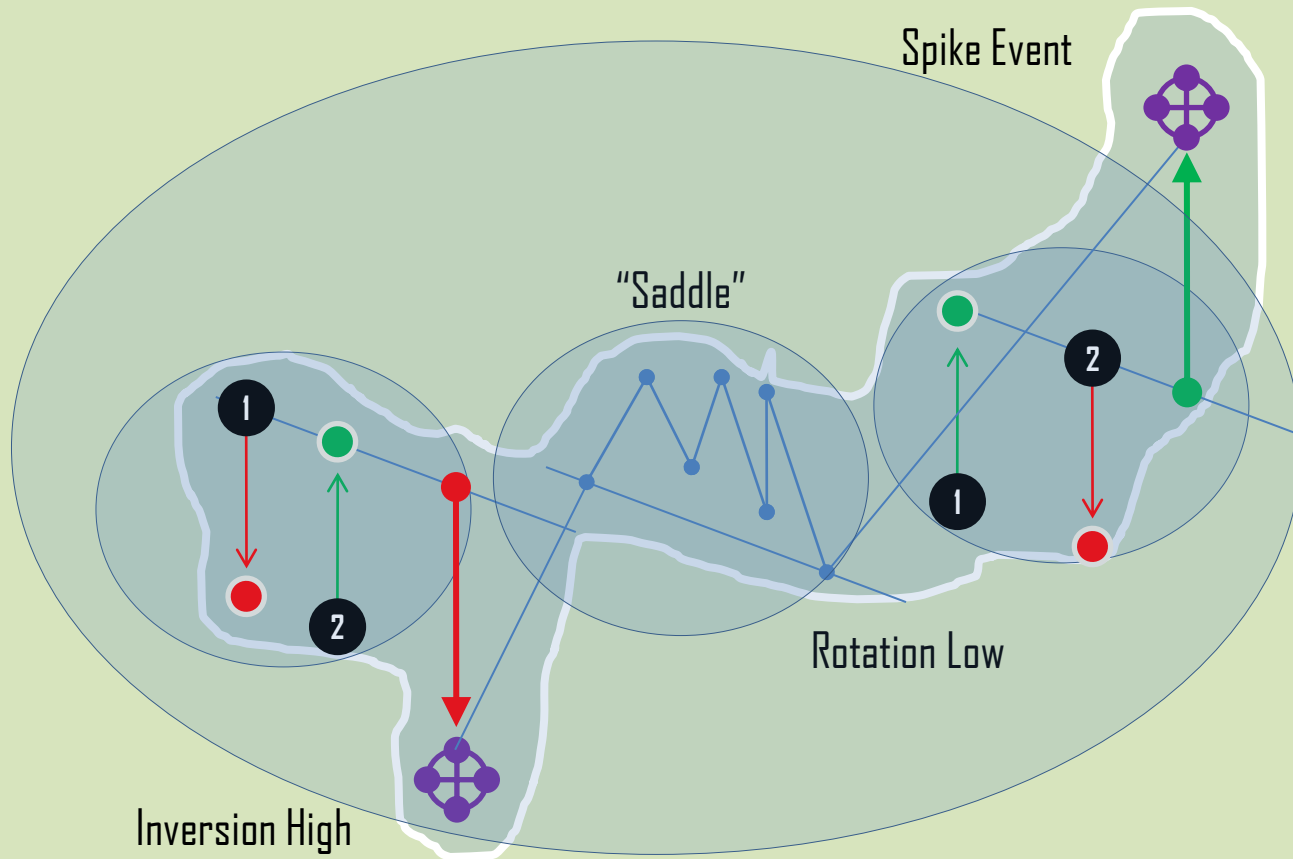
Going Up

Going Down



Strange Attractor

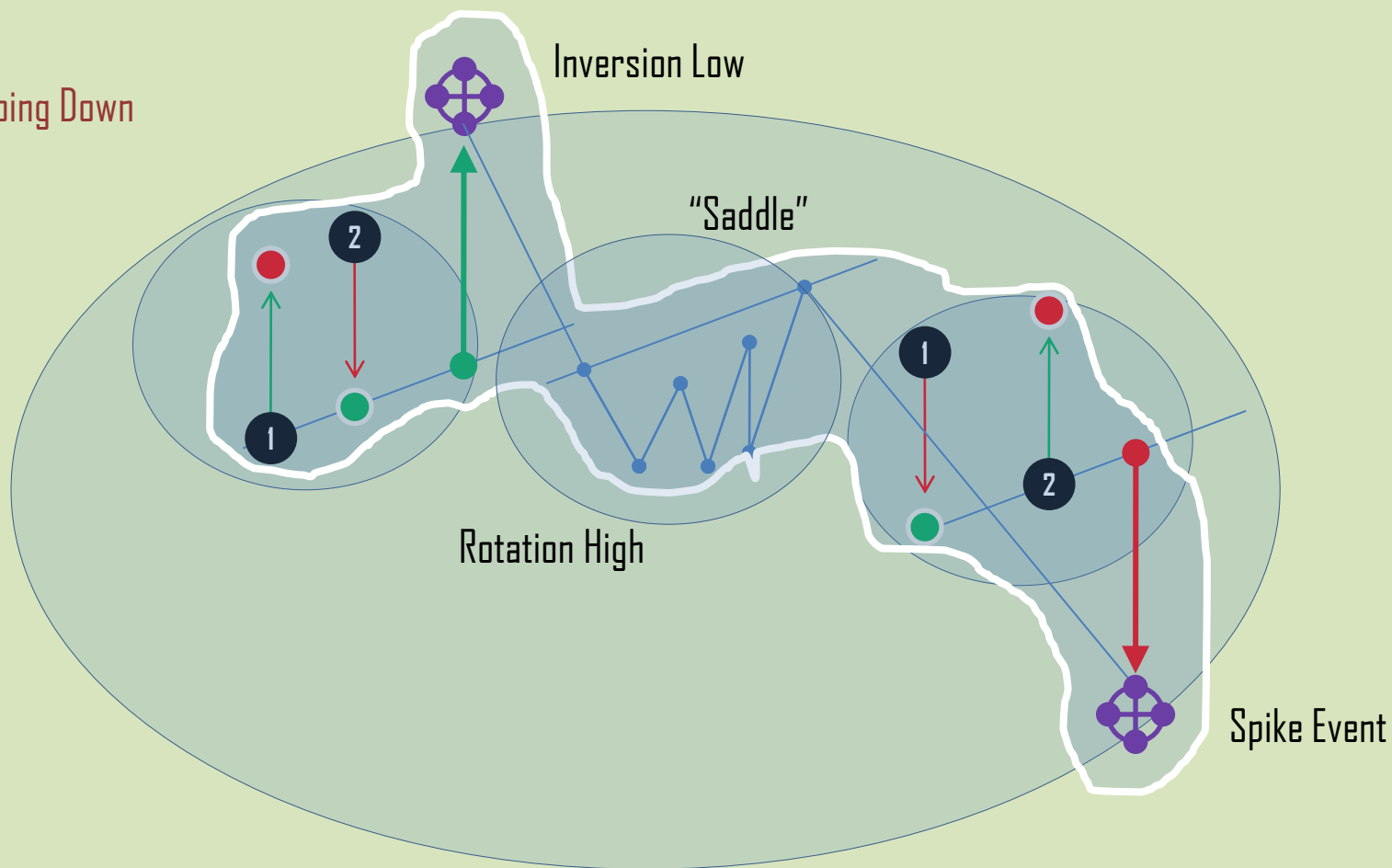
Fitted to Calculated Ambient Space



Going Up

Strange Attractor

Going Down



Fitted to Calculated Ambient Space

Strange Attractor

Important Notes

1. As we will show in the last quarter of this output, the trading is simple – in fact too simple and accurate to be believed just on our say so. Therefore, the need to prove the facts for yourself by extensive practice first on demo accounts before ever trading cash. But the **thesis** behind the trading is most critical. It is only when you understand the thesis and not just trading steps that you can vary your performance to be top most. It is also only when you know and appreciate the thesis that you can find the confidence not just to trade **Orbit** but to engage in income increasing manoeuvres that you would not dare think about trading the more usual non-science based approaches now in existence and their so-called “trading systems.”
2. So I do want to touch briefly on a) how the strange attractor was discovered and explored for the information the discovery allowed about markets. b) the amplitude seeking indicator known as Chaos Semaphore, and c) my second major contribution to trading or the notion that the market is a homeomorphic bijective process which when combined with my first discovery enables a complete mathematical solution to markets as we shall demonstrate in the practical sense below and without reservation whatsoever.

Chaos Semaphore

Price exhibits recursive and non-normal behaviour in range. Price transitions are therefore NOT smooth transitions from value to value. No indicator as such, is able to locate price in range as accurately as a Zigzag tool. MA's and Oscillators, etc do not provide any critical information following a singularity. The illusion of “trend” following as a method of trading may lead people to think of the absurd term “repainting” in describing the behaviour of Semaphores but that is an expression of profound ignorance that is unhelpful in a forum such as one on chaos theory applied to markets. At the end of this submission it is hoped that it would be clear to all how powerful and apt the Semaphore is for the work in chaos. All indicators used in the tool can be so justified.

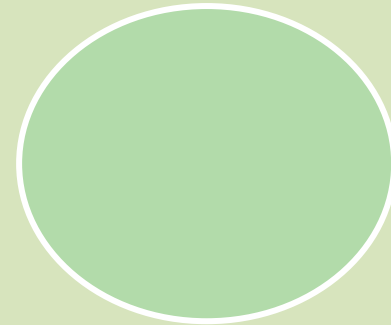
Homeomorphic bijections

The discovery and application of the notion of bijections to market fluctuation is nothing short of revolutionary. While most participants may not be at a level where such high concepts are intellectually accessible to them, it is important to at least put in effort to see how this notion completely overturns the assumptions in prior methods of trading and market analysis to the point of rendering them indisputably **false**. If markets are bijective then nothing assumed by the other side can be true. This is critical. Further, the combination of this and the first discovery delivers a complete mathematical solution, therefore allowing a third and actually **rational** option for trading and analysing markets to come into existence for the first time in trading history. What is more, it completely disputes the risk modelling of markets as they stand. This is a very new but serious development.

The Fractal Footprint of Markets

Until now, not much by way of a serious claim to finding the market strange attractor has been made. Luckily, we are dealing with a visual phenomenon and all claims made herein can be seen and in fact verified by the naked eye. As such, anyone at all can (using common sense and a little background in the applicable science), verify the claims. One thing that must be kept in mind is that this is not a question of inventing something not in existence before now. Far from it, but a question of finding a way to read and use information in the context of an agreed notion that the market is chaotic and fractal. In the final page we give resources that enable further verification of our claims. But immediate readers will visually sight the fracture primitive we call the fractal footprint in this output and see it to be pervasive throughout market space and is as a consistent pattern, indisputable. Finally, mention is made often in this output of the term topology and market topologies. This is a nuanced application of an important mathematical terminology and we would like to give consideration very briefly to that usage below.

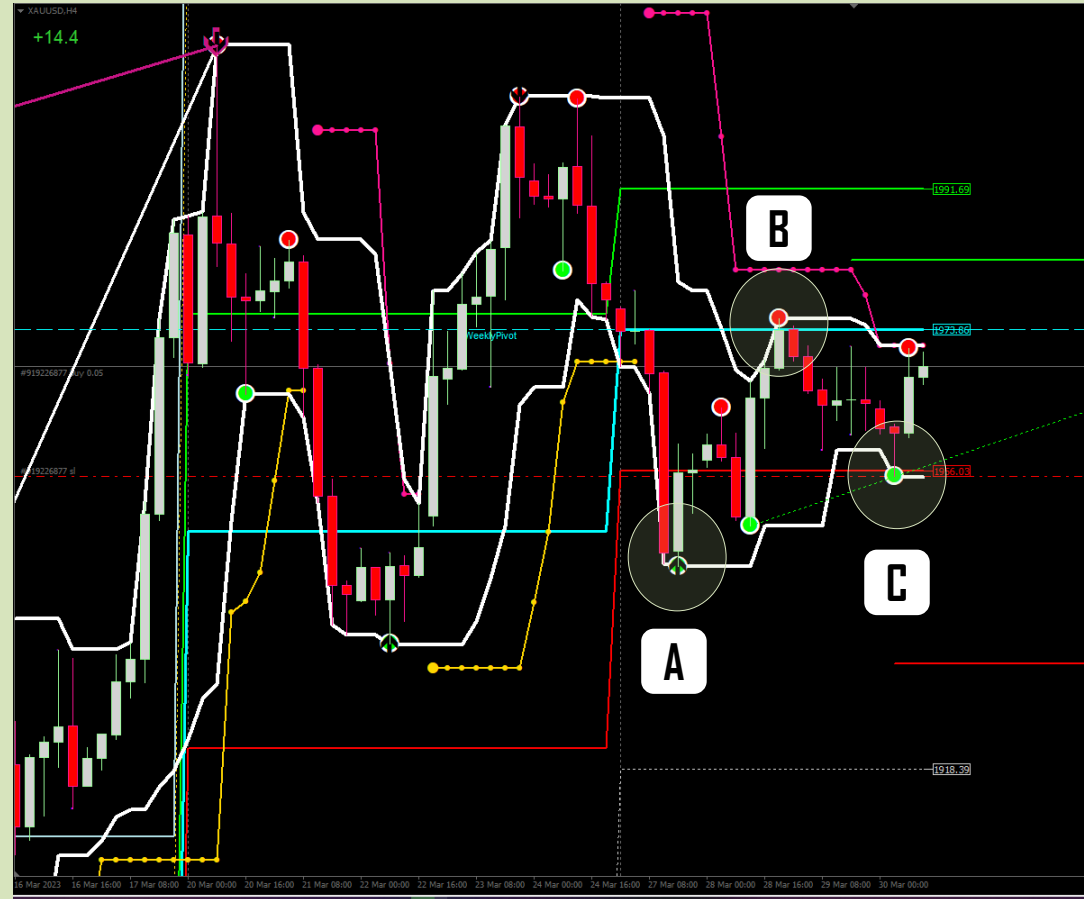
Market Topologies



We see a white surround or circle we take to represent any arbitrary set of (x, y) points satisfying $x^2 + y^2 = r^2$. While the inner (green coloured), space represents the set (x, y) of points satisfying $x^2 + y^2 < r^2$. The inner set is an open set, and the white set its boundary set, so that the union of the white and green sets is a closed set. By this simple device (and other elaborations), we can delineate unique market spaces using fixed reference structures such as MRI tool demarcations. Therefore, it is easy for us to study and remark behaviours to specific regions of the market strange attractor we call topologies. For our purposes then, a topology is simply a remarked area where the notion of distance is arbitrary and therefore allows us to specify what is essentially an analogy of a mathematical construct in verifiable terms. Further, and for instance in our search for the strange attractor, we employed standard methods in fractal geometry such as box counting and examined lacunarity in areas of interest in order to make deductions about market space to justify our analogy to ourselves.

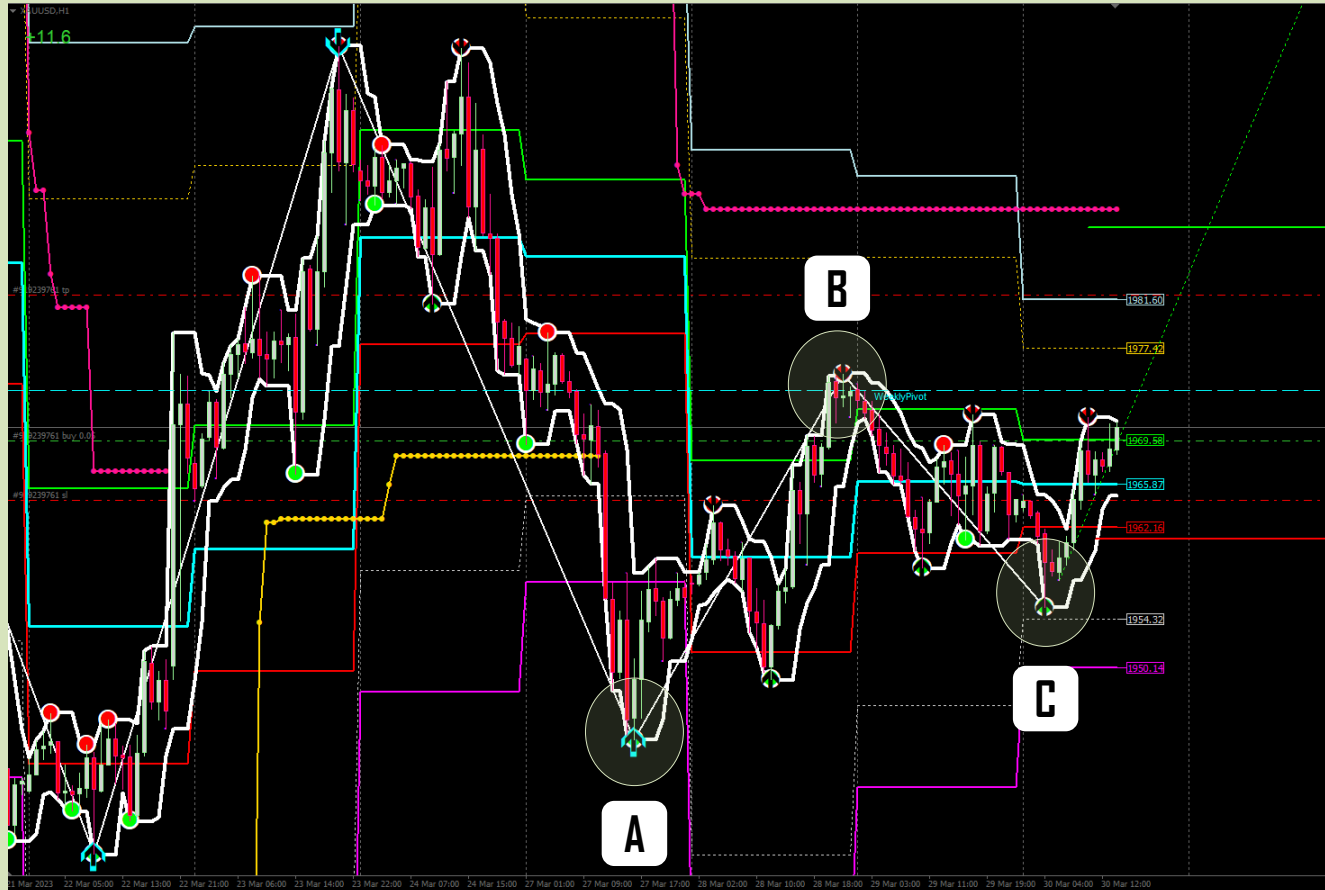
The Path Dependency of Price I

In the next 4 slides we compare the homeomorphic bijections simultaneously taking place in 2 specific partitions $6n$ and $5n$ to demonstrate some key points about the market and how Orbit the Tools reads the system. Please consider the points made and others you observe well.



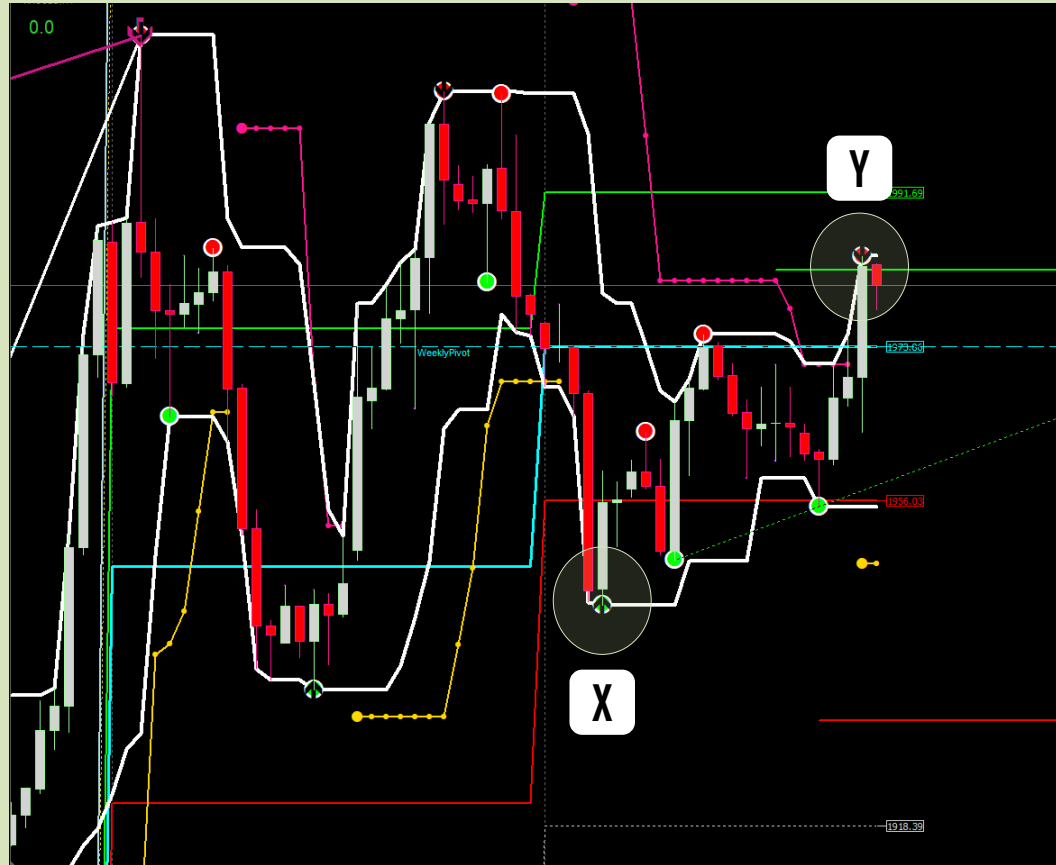
*At **A** we have a pivot **low** which calls for a **sequence** reaching **B**, which in turn calls for a sequence reaching **C**. We observe that the highest weighted or ranked pivot in the immediate range is a 2 (Y) low and further that the general inclination of price is to move away and in the upward direction from the said flag or Semaphore following a path defined by a system of lower weighted pivots or Semaphores. In the next slide we show the same pattern for granular $5n$.*

The Path Dependency of Price 2



*At higher granularity (5n) we observe the same points exactly following the same path with $P_i + 1$ Semaphores when directly compared for weight. The most critical point to note in comparing the 2 screenshots is to note the relative "incompleteness" of both "shapes" in terms of the Strange Attractor. In other words, the lowest points in both (ranges) are not matched by the same weight flags or Semaphores at high, but in both we notice recursive persistence in the same direction not to mention the fact of the exactness of behaviour at different levels of detail. The **question** is why this incompleteness of "shape" in both cases?*

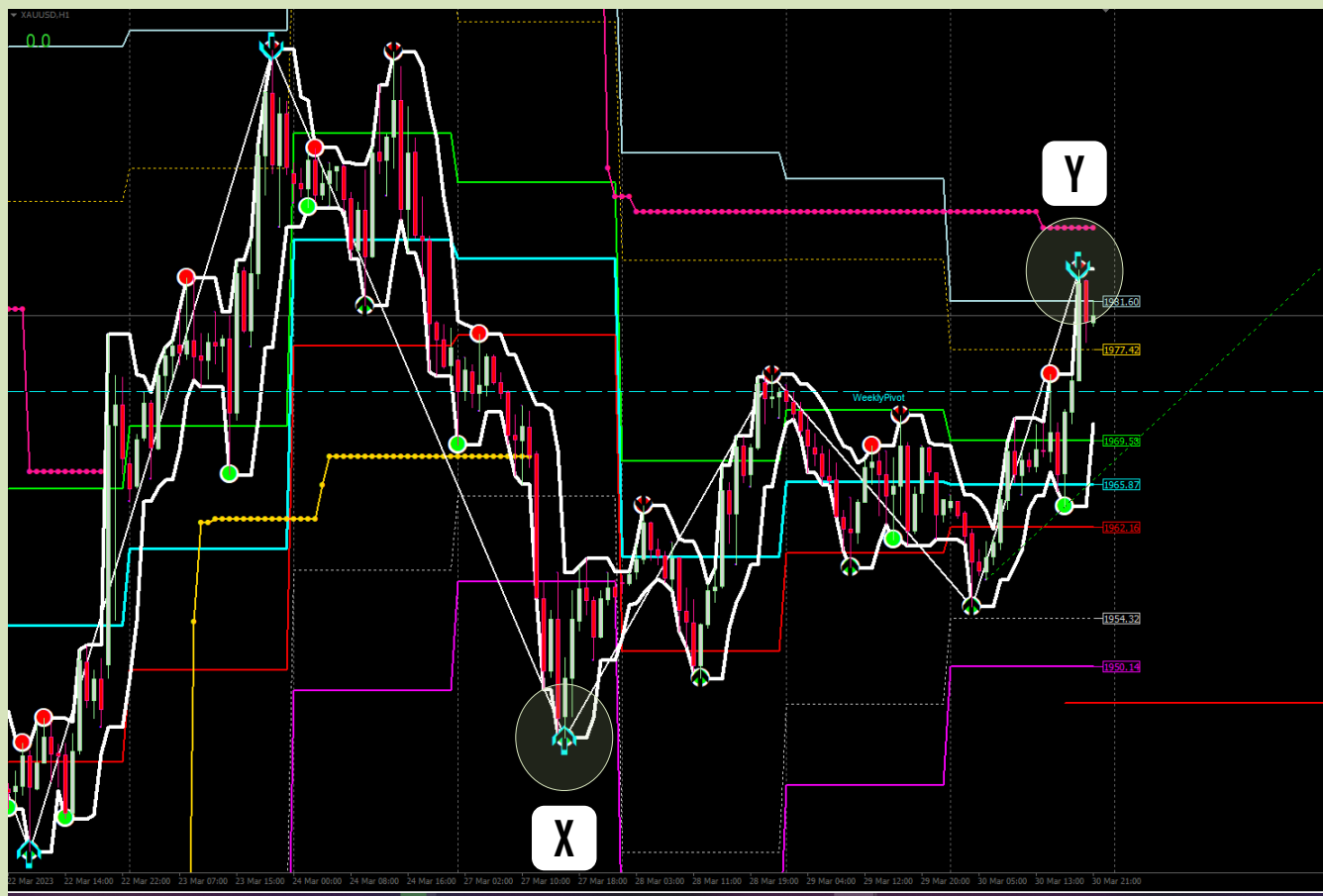
The Path Dependency of Price 3



*In a homeomorphic bijection X must equal Y going up and Y must equal X going down. This explains price behaviour in range and therefore the persistence seen to the point marked Y . However, this **pattern** can be seen to be **true** at the left-hand of the current range or **history**. For the space you can see you will note the same has been **true**. But even more interesting is the fact that at “**completion**” we have now the “shape” of the fracture primitive or Strange Attractor as depicted prior. Please inspect well, as we have said, the thesis matters in a scientific approach. These are **NOT** heuristics (or guesses), as we have in other approaches. What you see is in fact verifiable precept.*

The Path Dependency of Price 4

*So a plethora of facts for the would be chaos trader to work with. $5n = 6n = 7n \dots 9n$ as in indeed, $5n = 4n = 3n \dots n$. But as an exercise can you count how many **fracture primitives** make up the entire space?*



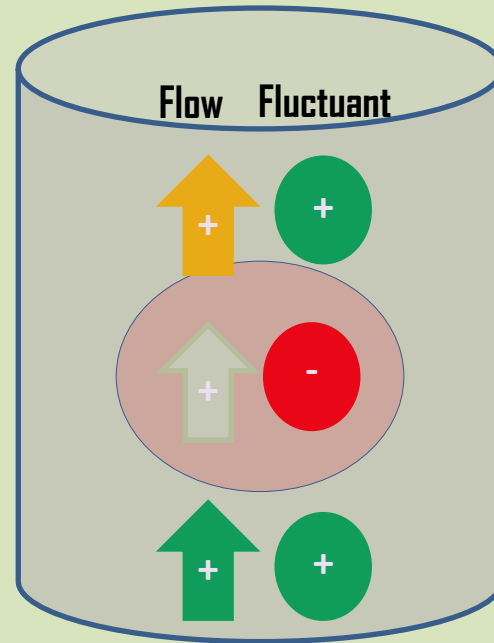
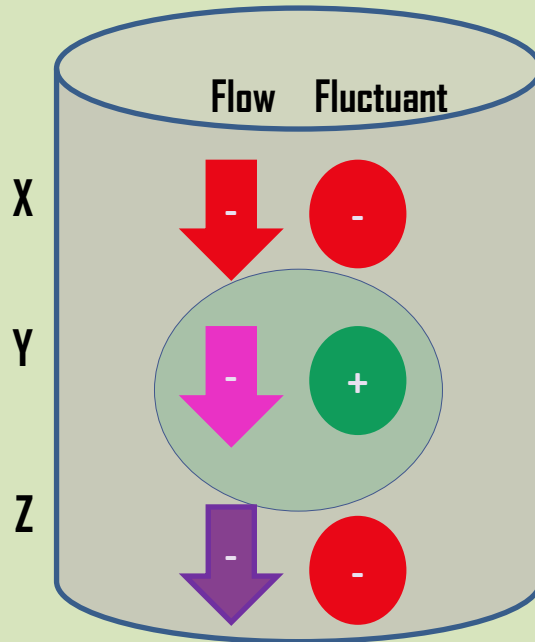
*Small ones **nested** within the big ones? Is it clear that markets **scale** and do not “trend” in the common sense of the word? Is it clear that we have a complete solution here and that all other approaches and their “trading systems” are partial solutions based on “rules” not informed by the science of markets? Is it abundantly clear why Orbit the Tool is **NOT** a “trading system”? In fractal geometry complexity is the ratio of the change in scale to that in detail can we now see why the market is infinitely complex and not a place for guesses? But most important do we now know what is meant by a deterministic system?*

How to Trade the Path of Price

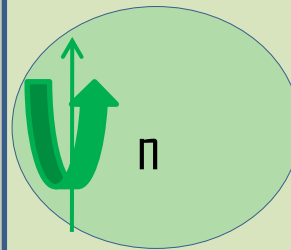
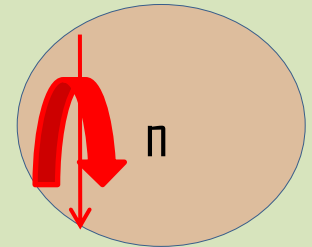
1. You trade with your eyes. Market chaos is visual and fractal geometry is **visual** follow the pattern.
2. Follow the Semaphores as instructed below they are trade **flags** using the MRI FLE tool
3. Use the specific commands stated below to make entries
4. Do NOT use the screenface to scan for pattern – it is simpler than that, the screenface is to inform your mind about the **now** across scales and therefore the **future**. The screenface informs your trading sense and those who master its readings will make the most amounts per period.
5. You win not because of your intelligence but because the math allows so the thesis matters it is what gives you discipline and method. Please do not mix it up with things outside its reasoning. They are **false** and do not increase but decrease your chances of consistent success.
6. Only a small part of the information gained from the discovery of the fractal footprint is employed here and MT4 does not allow much of what is possible in presentation and functionality so when we have the cloud based version I promise you – it will not be recognizable by anyone here. It is unimaginable now what it can do. Learning the prototype makes it a breeze to trade the cloud version to come but the prototype if understood and followed as specified below will make you more money than anything people use now – because the market is not what they conceive of it to be – the market is a mathematical construct purely.
7. **Orbit the Tool** is the simplest, safest (zero-risk) and most profitable application ever when used as specified below. It is based as you must now see on things never heard of and till now unseen in trading. It is **NOT** a “trading system” whatever that means. IT IS THE MARKET.

Composited Fractures: Pattern Change

Note 1: For higher partitions $7n$, $8n$ and $9n$ sustained positive change in pattern at any point in trading day indicates exponential growth in range and negative change indicates exponential decay in trading range. Stability indicates continuation.



Epsilon tubes relate to calculations not made explicit.



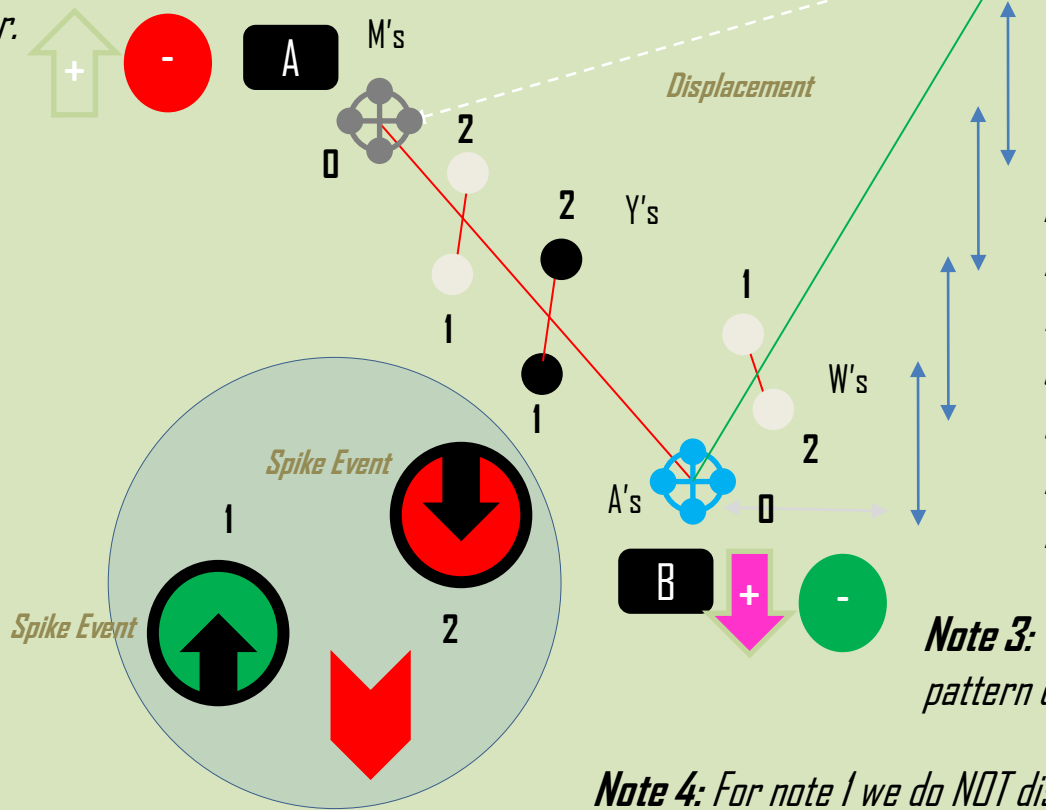
Note 2: Semaphore Stops define as **equinumerous** sets in range and allow to validate stops $Y = X$, $(X = Y)$ per trade window to check the completeness of your target fracture primitive or footprint.

Note 3: Significance of pattern change indication is topology dependent, e.g. relative to KSD Low (-) and High (+) or locations of the **strange attractor**.

Note 4: Fractal Pattern measures 2 effects simultaneously - directed flow and fluctuations about the flow direction.

Composited Fractures: Spike Event

Note 1: This schematic shows that the most important indications for trades are **Semaphore Stops**. Each **stop** is a **Spike Event** – and **on event** we can expect **Inverse On** to kick in per point. To trade enter on **a) Semaphore high or Low + b) Change in n Fractal Pattern**. Trading cannot be simpler.



Note 2: n Fractal Pattern guides trades between **highs** and **lows**. This is true for **folding range** trades (FLE trades), and for **stretching range** trades (in short both short and long-term trades). This means n Fractal Pattern takes precedence in reading the bijective pattern for trades.

Note 3: The pattern up is the inverse of the pattern down as shown.

Note 4: For note 1 we do NOT distinguish between range play (folding) or range and (stretching) "trend" at scale, that's up to you.

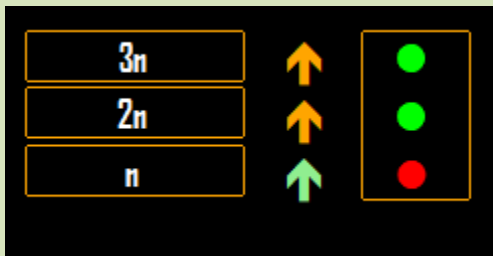
Composited Fractures: All you need to win up and down trades

On High Pivot



n Pattern δ

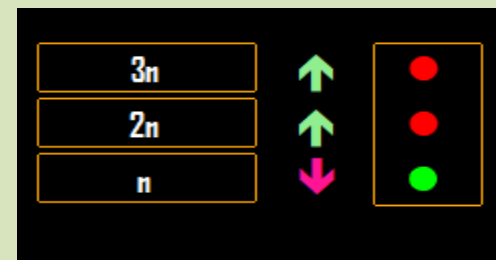
n Flow cut Up



On Low Pivot

n Pattern δ

n Flow cut Down



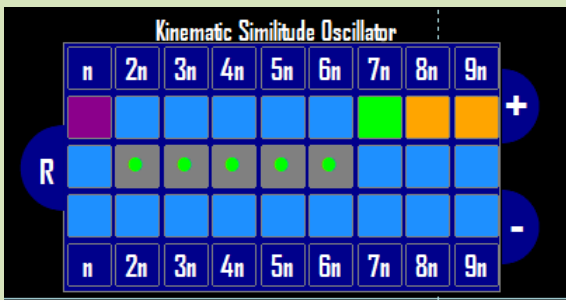
There can be nothing simpler or more accurate in trading, I do not think, but see next slide for complete set of cues.

Composited Fractures: Spot Entry

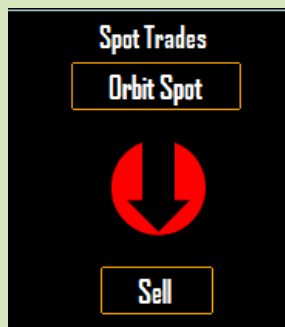
n Pattern δ



n KSO δ



Spot δ

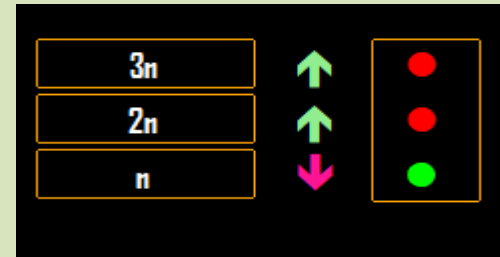


On High Pivot

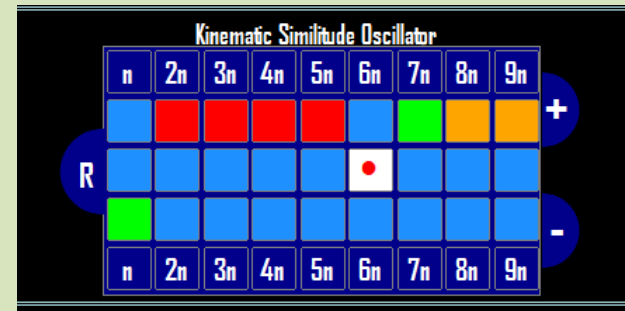
***Note 1:** You are trading point displacements in space. You follow Semaphore (flagged) stops with your eyes and trade n indications + spot turn.*

Pivot = Flag (Semaphore)

n Pattern δ



n KSO δ



Spot δ

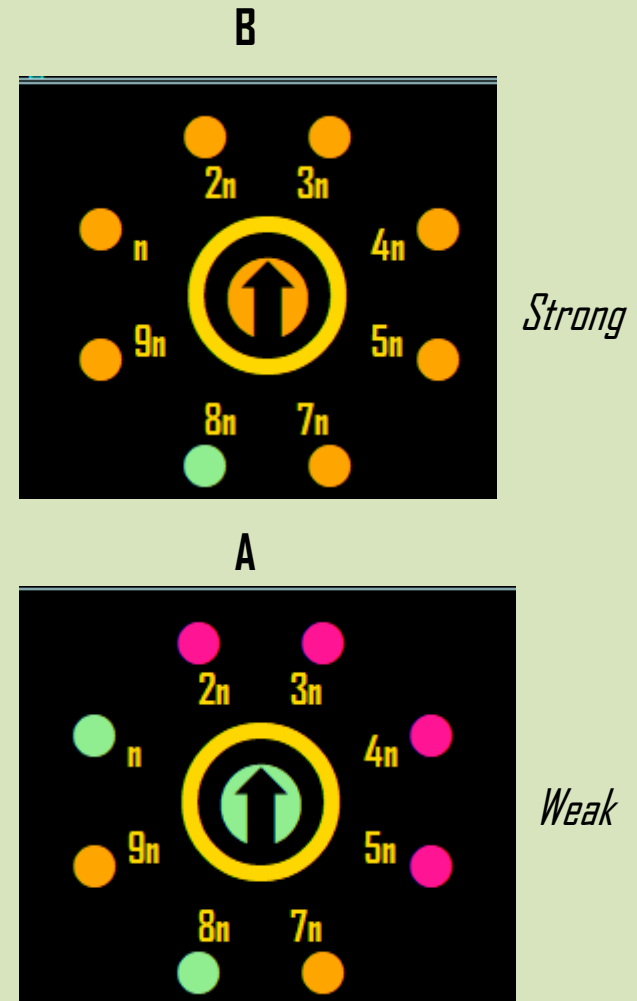


On Low Pivot

***Note 2:** In this **Inverse On** based command we do not distinguish between **folding** and **stretching** stops. Whether or not you wish to trade a stop depends on your reading of chaotic space at the time of command and your motivation or strategy (yes I am saying the composite signals here are together an Inverse On command)*

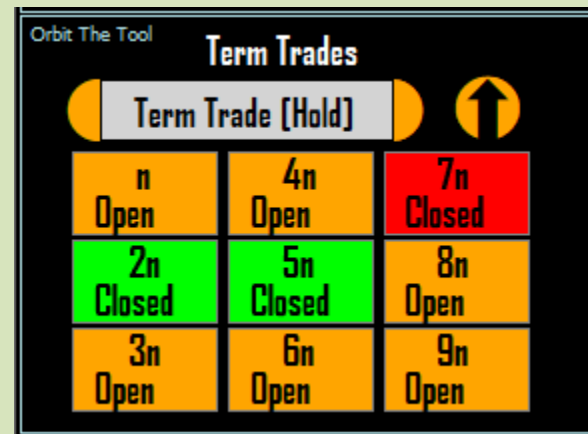
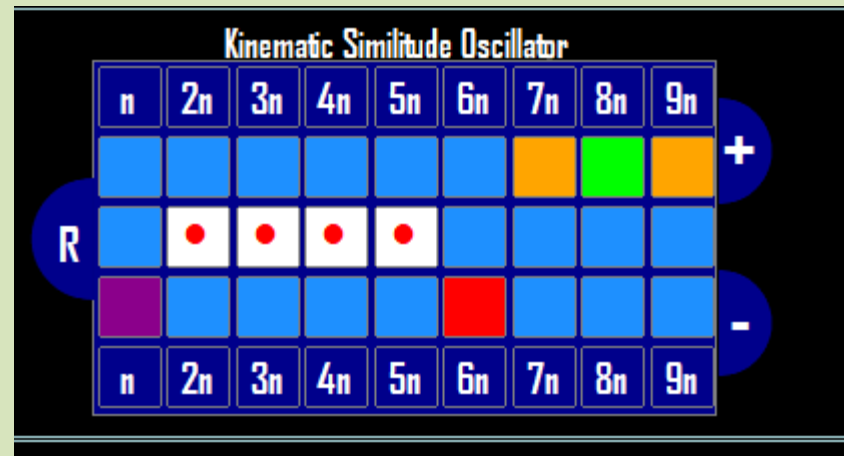
What about the Screenface? (1)

*Yea sure so what about it? It is a most powerful trading surface. But it is not supposed to distract you or cause you to spend time trying to use your "special and unique intelligence" to figure out the market. No one can with any consistency anyway. The screenface is for your mind, your trading sense, e.g. on **A** to say, "hey this thing looks weak and, look at price - feels sluggish may turn on next pivot". Then suddenly **B** comes on and you are like "hey this thing is tricky there is impetus I am going to adjust my TP, lets see, what does the 6n MRI look like, what TP can I guess?" And that is it. Nothing major but indispensable for keeping correctly in trade. Entry is fine but with **Orbit** you now find that the old rules based on arbitrary assumptions of what safe behaviour is in risky space is out the window. But risk free -space also has to be managed. That is what the screenface helps you to do.*



What about the Screenface? (2)

*But to do so well you need to a) spend time on the manual and read stuff. But do not just read b) think and observe stuff and yes there are things that can be consistent even with intermittency a constant feature of fluctuations - especially what is called in chaos mathematics On and Off intermittency (pretty much a constant in markets). Because sure it is now easy to win and grow with practice and everyone may make money. But some people are determined and it is not true that everyone will win the same amounts when everyone can win. So to top the league you read about stuff we have taken time to put down as guides. Also how observant, etc you are sets you apart from the pack ----> in short it is really up to you how well you do trading risk-free space and the **Screenface** is a great ally to have.*



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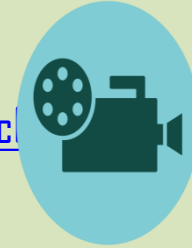
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live:sikwue



1. <https://youtu.be/ZMeSgggzRcl>
2. Please visit the video link which visually presents our application of **chaos** mathematics in gaining our solution.
3. <https://www.complexity-explorables.org/flongs/>
4. Please visit and review the **Logistic Map** which is the same equation *form* as the “**analog**” equation on which our application is based. This is also useful for reference post review.
5. Our technology (science applied to production), is a fairly arcane area of mathematics and involves novel contexts and nuanced application which may require consultation with a Chaos professional working in mathematics, fractal geometry or physics to fully grasp our claims and to verify our procedures.