Angel Theory's M-Systems

Chapter 2

The Economic – Theory of Everything (E-TOE)

By Nick Ray Ball 29th August to 12th November 2017

In physics, 'The Theory of Everything' (M-Theory) is what can unite the subatomic world and Einstein's Theory of Gravity. It describes the forces of nature and the fabric of the universe. But can M-Theory also be used in economics?

7 Chapters in 12,788 Words

Version 1.01

In physics, 'The Theory of Everything' is what can unite quantum mechanics (the subatomic world) and Einstein's Theory of General Relativity (gravity, space, and time).

For the last 49 years, physicists have attempted to unravel this mystery with String and M-Theory.

This chapter was inspired by 'The Network on a String' http://americanbutterfly.org/pt3/the-network-on-a-string (circa November 2012).

In 2012, 'The Network on a String' was the 3rd instalment of 'American Butterfly' that added elements of string theory and supersymmetry to the previous chaos and quantum theory influenced instalments. 'The Network on a String' presented 8 ways that the original http://AmericanButterfly.org book 'Theory of Every Business' could be improved by considering simulated behaviours mimicked from TOE (Theory of Everything) physics.

String Theory is the idea, in physics, that every subatomic particle is created by a tiny vibrating string, and that the universe is its orchestra, a very compelling vision.

If String Theory is the music, can M-Systems be the song?

In 1994, Professor Edward Witten and Paul Townsend presented a multi universal upgrade to string theory called M-theory, which has since been described by professor Hawking. So...

"Ever since Newton and especially since Einstein, the goal of physics has been to find a unified Theory of Everything.

*M-Theory is the only candidate* for a complete theory of the universe.
M-Theory is the unified theory Einstein was hoping to find."

By Professor Stephen Hawking

One problem with string theory is that the 'strings' are so small we just can't see them. In terms of scale, in comparison to the size of a string, each of us is almost the size of an entire universe. And because of this, in physics, despite string theory's 49 years of intense and exhaustive study, it is experimentally unproven.

However, as a branch of pure mathematics, it is without doubt the most fiendishly clever and economic mathematics ever created. As when you work in string or M-theory, you are effectively working in both quantum mechanics, special and general relativity at the same time.
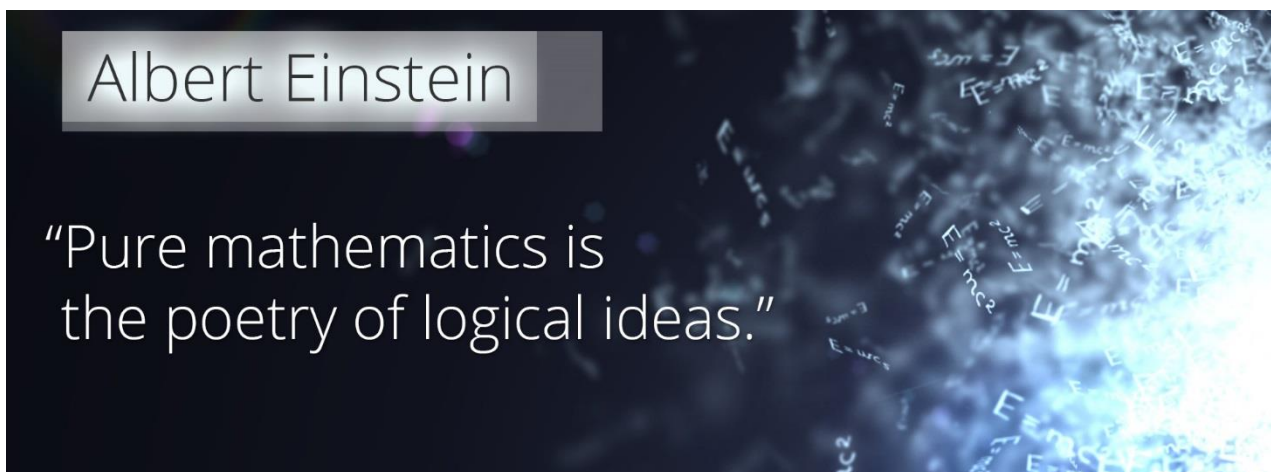
'As Einstein once said, '**Pure mathematics is the poetry of logical ideas.**' And whilst pure mathematicians often pride themselves at being the most impractical of all scientists; where the more abstract and useless the mathematics, the better. Often, pure mathematics finds its way to a practice purpose in the end.'

By Professor Michio Kaku (Paraphrased)

In this book, 'Angel Theory' suggests that chaos theory, quantum mechanics, relativity, string theory, and M-theory can be simulated and applied to business science and economics; and that M-Systems is a good M-theory influenced economic framework.

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For a long time, the question: 'Can we consider M-Theory as an economic science?' has attached itself to Angel Theory's M-Systems.' Indeed, it has become its slogan.

"*M-Theory* an economic science?"

First written on the graphic below for the father of M-Theory, Professor Ed Witten.
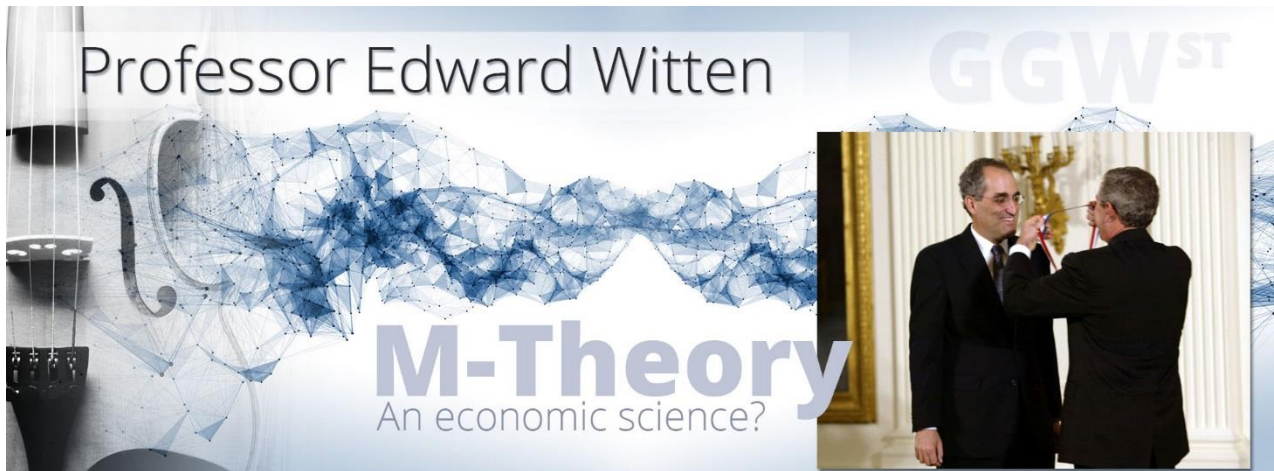
"I feel that we are so close with string theory that - in my moments of greatest optimism - I imagine that any day, the final form of the theory might drop out of the sky and land in someone's lap."

Professor Edward Witten
Father of M-Theory, Winner of the Fields Medal
Charles Simonyi Professor at Princeton University

To Professor Witten and colleagues, we say, "Of course, this is not the final form of the theory, but is it a form of the theory?"

Below we see the latest system architecture (the 'quantum data' sent back in time to create S-World UCS in the Angel City 5 movie framework).

M-Systems POP System Architecture

E-TOE - 'Economic Theory of Everything'
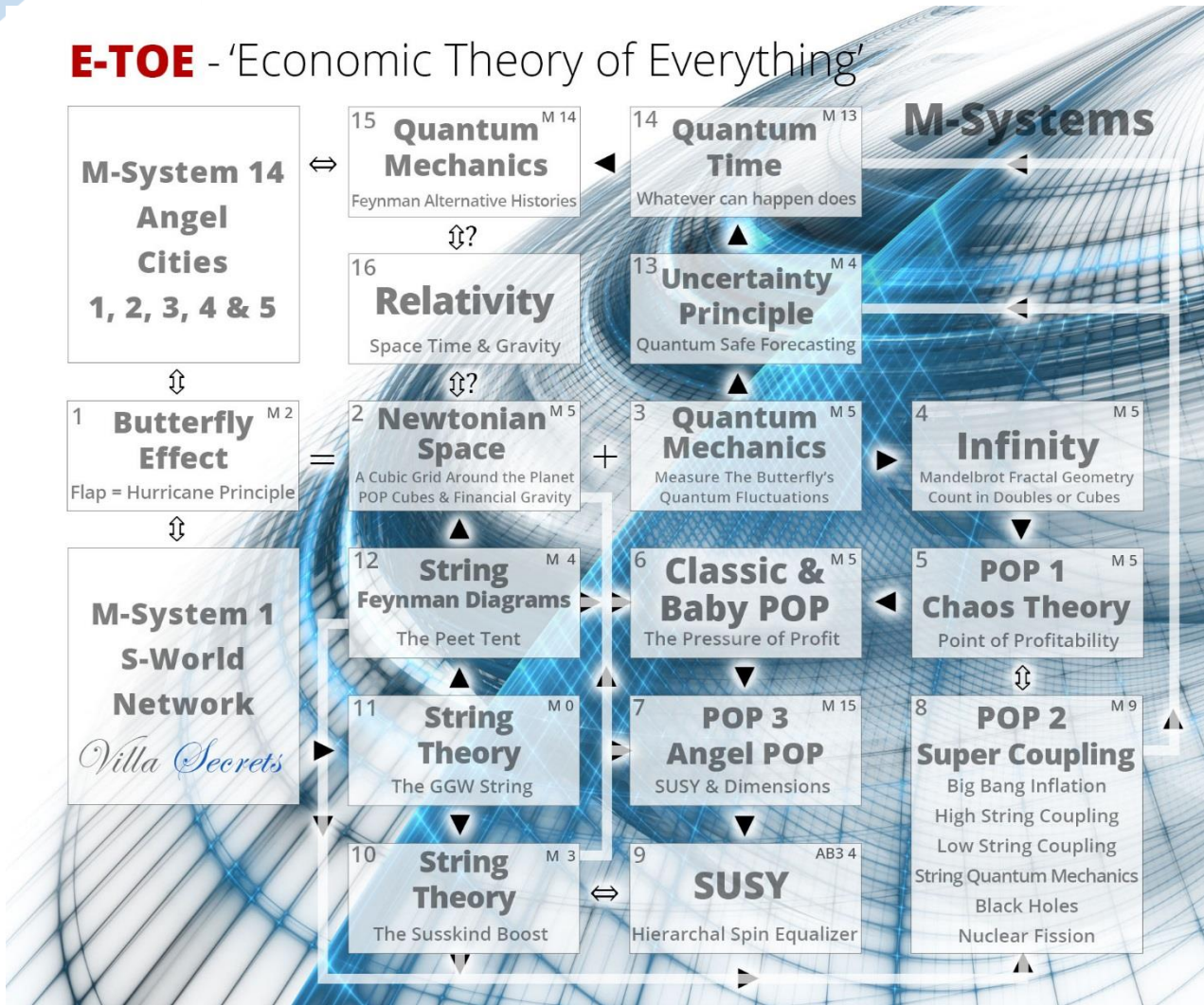
'The E-TOE' an Economic Theory of Everything

Before we continue, please note this chapter is not the correct place to judge the effectiveness of M-System 1. S-World Villa Secrets, which is its own microeconomic miracle. For a fuller description, see network.villasecrets.com. For now, please trust that the forecasting scenarios for Villa Secrets are well constructed.

POP – Microeconomics & Villa Secrets

POP works in discrete quanta, this means there are only certain figures we can use, multiples of $0.01 cents x 8 repeatedly… $0.01 x 8 = $0.08 x 8 = $0.64 x 8 = $5.12 x 8 = $40.96 x 8 = (D1) $327.68 x 8 = (D2) $2,621.44 x 8 = (D3) $20,971.52 x 8 = (D4) $167,772.16 x 8 = (D5) $1,342,177.28 and so on.

The (D) that you see is the financial cubic dimension. The objective is to collate a set of companies' POP points (discussed soon; for now, just think in terms of profit made in a year) into higher dimensional cubes. So, for instance, in the 5th cubic dimension of (D5) $1,342,177.28 can be made up of 8 different companies of different multiples of (D3) $2,621.44; some maybe 8 times (D3), some 6 and some 10, just so long as the (1st tear) network adds up to (D5) $1,342,177.28.

In our current testing location of Cape Town, we are creating a (D5) primary network, whereafter from 25 or so different related industry niches we intend to increase the network to over 100 separate companies equalling (D6) $10,737,418.24. Which we must half as 50% of profit returns to stakeholders, and 50% becomes POP investment capital. So, creating $5,368,709.12 in POP Investment.

It's important to note that companies only pay POP when they make a specific target; and in the case of Cape Town, this target is when the business creates a 400% return on investment per year, relative to its initial investment (that's 400 times what one would get from a Western bank.

In California state, we would be disappointed not to reach (D7) and generate a POP investment of $42,949,672.96 by 2021 (or sooner if partnerships are made with various silicon valley technology-based foundations, as is the plan).

This project is told in great detail on http://network.villasecrets.com. Since 2013 and the completion of American Butterfly, Villa Secrets and the microeconomic network has been written in much greater detail than macro Angel Theory. As without microeconomics, there is no macroeconomics to calculate; and equally important, the 20 unique and beneficial systems and software components described within its business plan are the foundation for the success of every S-World company.

However, Angel Theory Part 2. 'An Economic Theory of Everything' deals with the macroeconomics and the creation of grand and super grand networks. A grand network is a resort styled real estate development initially created in an area of abject poverty, which has symmetry with a virtual network such as S-World Villa Secrets California.

Angel POP - A Philanthropic Theory of Everything

Angel POP creates symmetries between prime investment opportunities and opportunities that would be considered economically unviable (an abject network). And it restricts the growth of the network so that for every prime network created, there must also be an abject network.

"Grand Networks in areas of Abject Poverty are Special Projects'

As POP investment goes towards the creation of grand networks, which in turn create the (Angel City 5) philanthropic, social, scientific and ecological special projects.

Everyone that invests, owns, works for, or buys from an S-World company is contributing to the special projects, every day, and every purchase.

Next, we see the most recent system architecture for POP interactions within M-Systems, which we now call the 'E-TOE' The Economic Theory of Everything. The original idea from 2011 which sparked American Butterfly and since Angel Theory's M-Systems.

POP - An Economic Theory of Everything (E-TOE)

Steps 1-3. POP Origins (The Butterfly Effect)

The Butterfly Effect, Newtonian Space, and Measuring at a Quantum Scale

In and around the Autumn of 2011, starting with limited knowledge of pure math, zero knowledge of theoretical physics (and certainly no idea about Einstein's theory of special relativity); the initial journey to the discovery of POP was a consideration of 'the butterfly effect' and the saying:

"Can the flap of a butterfly's wing in Brazil create a tornado in Texas?"

To create a solution, I conducted a thought experiment and pictured an imaginary cubic grid around our earth in every direction.

And inside one cube was our butterfly; where after using future technology, one could measure the tiny disturbances in the 'breeze force' created by the flap of the butterfly's wings, and then calculate across all cubes to see if that flap did or did not cause the tornado?
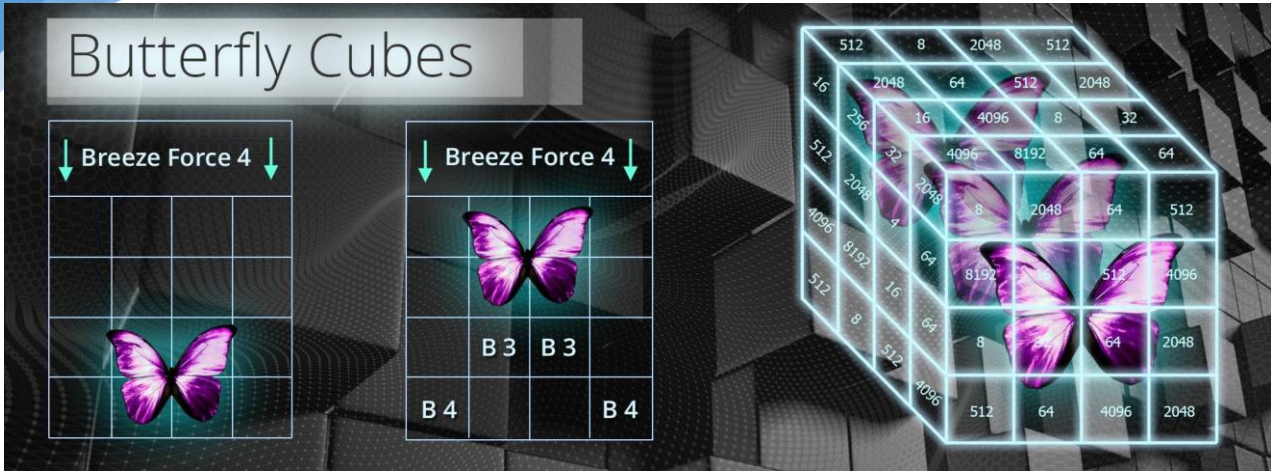
About a year later, courtesy of Professor Brian Greene's 'The Fabric of the Cosmos' and 'The Elegant Universe,' this grid was seen to be common with Sir Isaac Newton's picture of gravity and Einstein's theory of special relativity (Michofski space-time). And the idea of measuring the tiny disturbances was not unlike quantum mechanics, so making this little idea, not unlike 'a theory of everything.' Just add Einstein's theory of gravity and all the components are there.

This is important as it helps to explain the methodology of how one goes from a theory in physics to a theory in business and economics. Put simply, whenever a part of the network design is seen to be similar to a system that describes nature, we pay a lot more attention to it, and we look at all sorts of TOE physics to see if we can find inspirations; and over the years, these symmetries and simulations have built up and fit together almost magically.
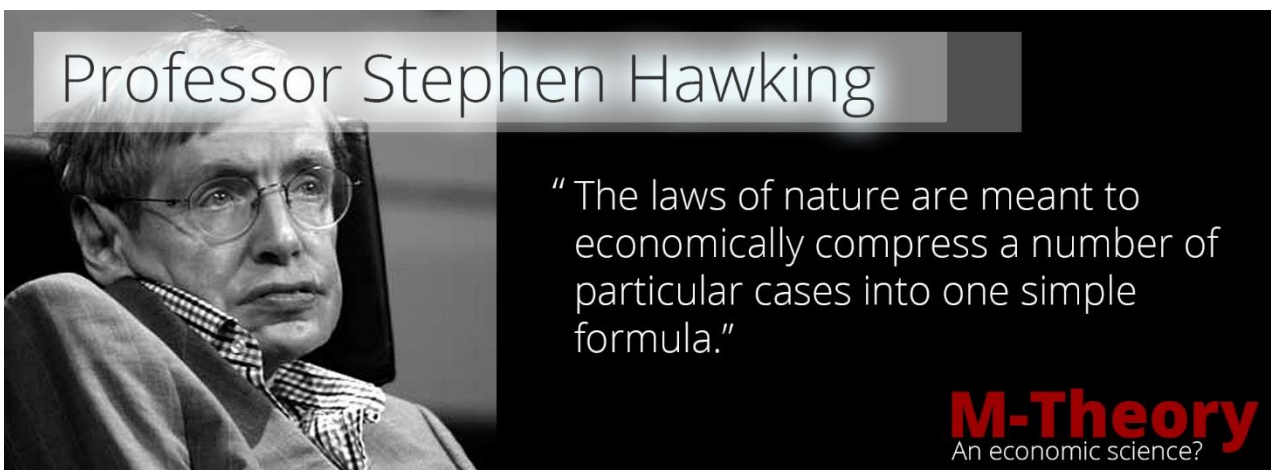
In Professor Stephen Hawking & Leonard Mlodinow's book 'The Grand Design,' a very simple and solid thread for why following the laws of nature, as described by M-theory, would be an advantage in economics is presented:

"The laws of nature are meant to economically compress a number of particular cases into one simple formula."

When designing a system for oneself, one has an infinite amount of options. And each is its own theory, which may or may not work out the way one planned. But by following the laws of nature, one not only has a road map of sorts, one is benefiting from billions of years of fine-tuning. And because of that fine-tuning, the components in the system are economically compressed. So, all parts of the system work well together, even if there was no strict plan for such by the designer.

However, we all have to start somewhere. And in the case of Angel Theory, certainly, in terms of 'theory of everything' related systems, the beginning of this journey was the original thought experiment of the butterfly within the cubic grid; and with this consideration on my mind, I looked at the parent discipline of the butterfly effect, 'chaos theory.'

Chaos Theory (2011)

The next consideration was the chaos theory riddle of rounding errors, created by rounding numbers in general and infinite numbers like 3.33333 recurring.

Because of the butterfly effect; even the smallest of inconsistencies could spiral into a tornado, and was enough to rule out any kind of long-term forecasting in any complex systems, such as the weather or our economy.

The journey to a solution probably began subconsciously via my 12 years working as a W-30 then Cubase music programmer, all of the time working in subsets of 8 bars.

Music and Chaos Theory

If we consider Jimi Hendrix, we would not necessarily apply the phrase **"An Island of order in a sea of Chaos."** Indeed, we would not use the word "order" at all.

Imagine Jimi Hendrix playing wild and free, live, freestyle, jamming with the band as opposed to following a particular song structure. But, despite the chaos, the song has order. As applied by the percussion, and the compartmentalizing of time by beats, which keeps everything together.

Jimi Hendrix & POP, Wild and Free
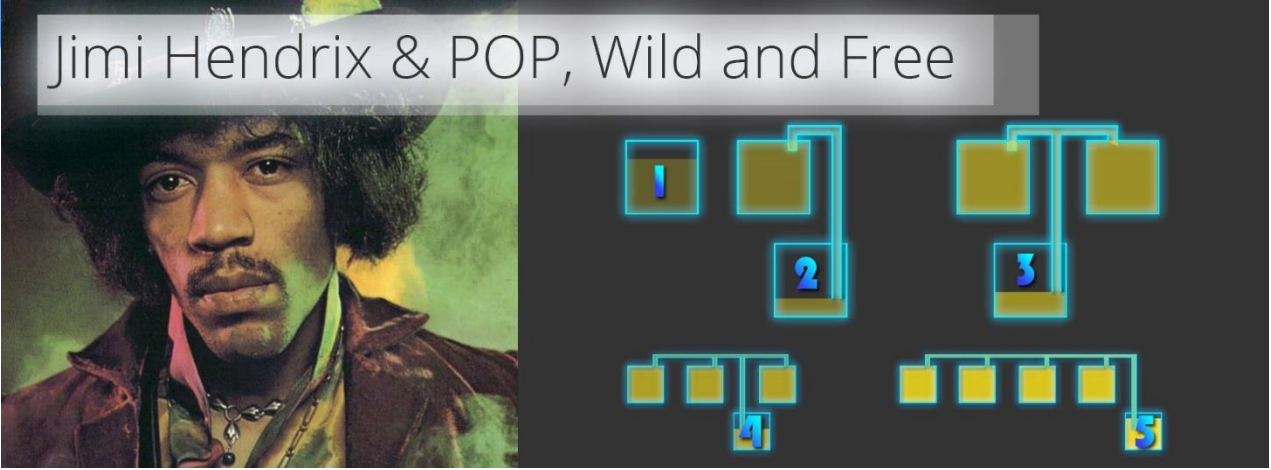
We don't think 'order' when we think about 'The Who's wild drummer Keith Moon, who would from time lend my Dad his Bentley to go pick up girls. But as chaotic as his beats were, they were always in time, within various grove quantizes of a standard 8 bar sequence of music.

Unless of course, he was kicking the drums over, then it's chaotic.

But all the time the music plays, it plays in time. *The beats are the order within the chaos of a song.*


Kieth Moon, Order within the Chaos
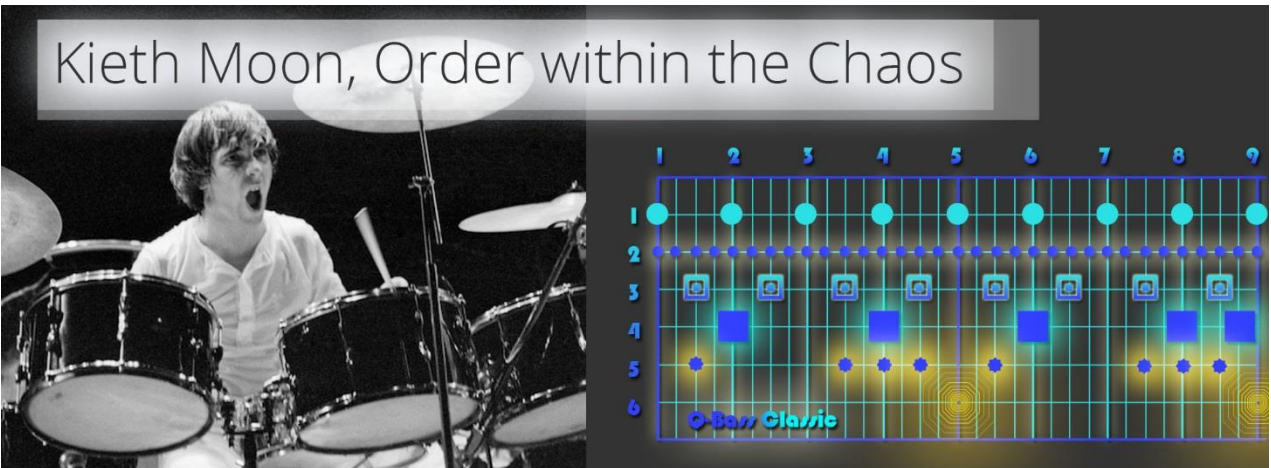
The POP investment principle follows this pattern, where companies trade wild and free. Making as much as they like; but at a certain point of profitability, a line is drawn. Like the end of the bar of music from which point onwards, the additional profit is invested into a new network, and the proverbial next bar begins.

Crazy Equations

Before coming to a conclusion that made sense, came a wild ride of a day spent mostly in the Cape Town mountains considering a crazy equation that started with the rather ambitious title 'Proving God.' Which by the end of the 14-hour session accepted that this could not be proven by me at this time, however in its place came the idea that there is a universal truth within the idea of positivity.

And that the more positivity you apply to a system the more powerful it will become, which lead to the idea of creating the system out of many theories, hopefully, many partners and without a doubt a truckload of ripple effects.

Step 4. The Mandelbrot Set (2011)
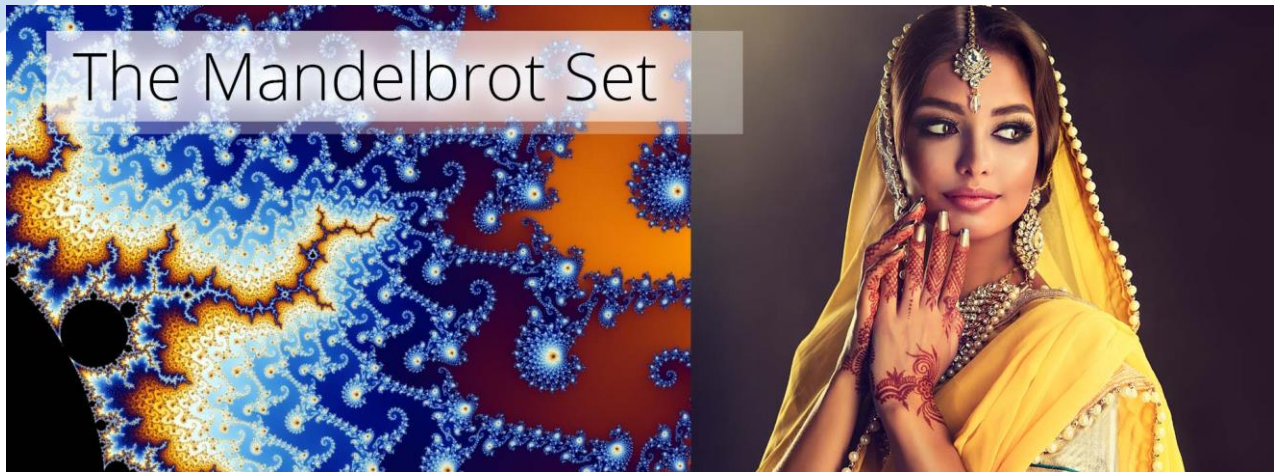
The crazy equation helped point me in the right direction, and after some research, including the Mandelbrot Set Fractal that beautifully recreates itself in an infinite pattern, I had an idea for 'compatible finite mathematics'

For the original inspiration, see www.S-World.biz/TST/EEE-14Billion_Years.htm (Nov 2011).
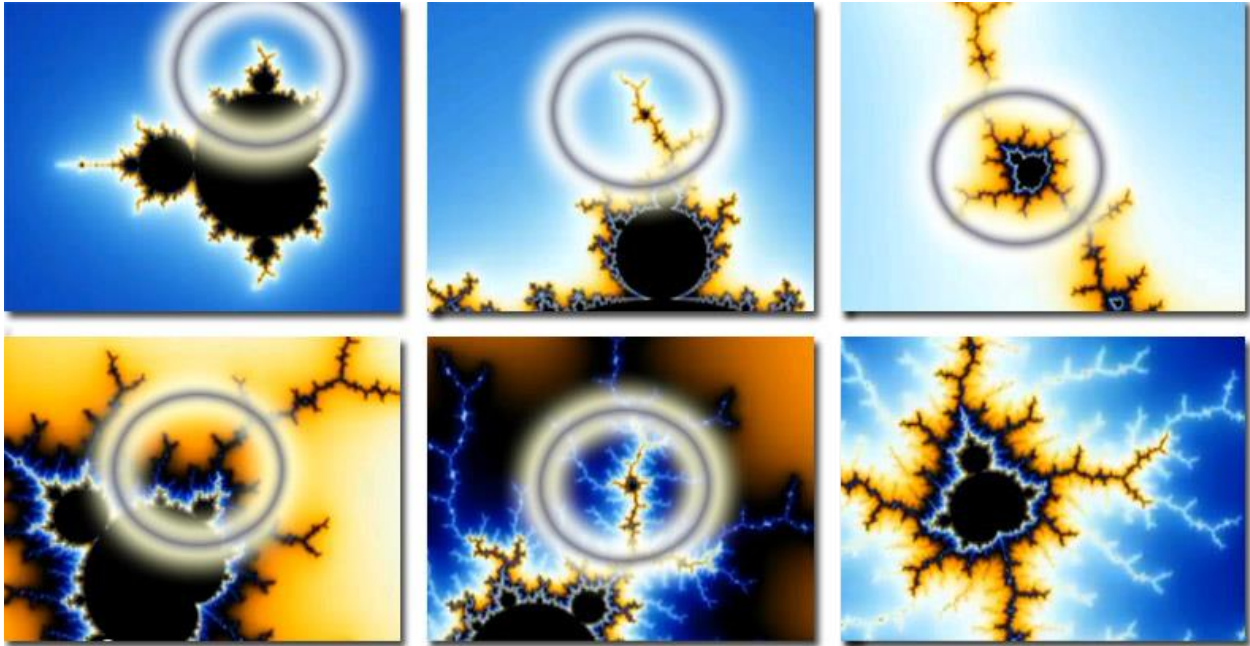
A simple solution was to count and create a framework with numbers that doubled, as that makes recurring numbers harder to create. So, 2 > 4 > 8 > 16 > 32 etc.

However, considering the cubed grid around the world, this soon turned into multiplying by 8. So, 1 > 8 > 64 > 512 > 4,096 > 32,768 as multiplying by 8 creates cubes inside of cubes.

Step 5 – (M-System 5) The POP; Point of Profitability – POP Cubes (2011)
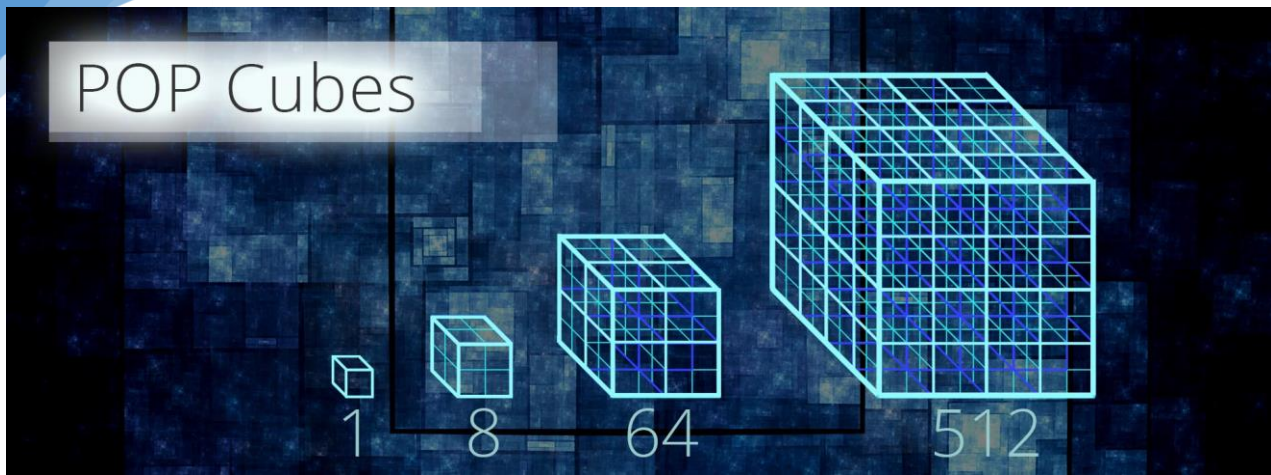
The rounding errors solution was to create a point of profitability, where after all profit overflows into creating a new company or network, then by working in multiples of 8, we create predictable cubes of underlying profit that have no errors to round. For example, a POP point maybe; $1,342,177.28 (which is $0.01 x 8, nine times) if this is a company or network of companies POP point, once reached all additional profit pours into creating (is invested into) new companies, networks, or special projects.

In this case, it did not matter how chaotic the inner working was, as this company (or set of companies) would be recorded simply as 1. And after other companies with the same POP point or POP points that are compatible would fit together to make a set of 8 and $10,737,418.24 ($0.01 x 8, ten times), and we count the economy simply as stable financial POP blocks, within a base 8 cubic structure which has no rounding errors to round.

It's not perfect as it's only telling us the underlying profitability. But it does create a strong financial gravity to the network; with the only concerns being getting companies to their POP points in the first place and then making sure they don't fall back, which is the task of the string theory M-Systems 3 'The Susskind Boost' and 4 The Peet Tent. Told later in this chapter


By working in this way, we create an underlying stable economic framework that is not affected by rounding errors as there are no recurring numbers to round. One simply counts the full POP cubes. Once a cube is full, and each company within has achieved its POP point, the cube would represent a single block of underlying profitability, and could be counted simply as 1. And other cubes created counted as 2, 3, 4, 5, 6, 7, 8 at which point we created a larger dimensional cube, representing 8 networks of companies making their POP points. This follows to the next dimension

of 64 and then next at 512 companies all making their POP points and continues to increase in multiples of 8.

Which as Sir Isaac Newton's theory of gravity is often presented as the universe within a cubed framework eventually took on the name 'financial gravity.'

Of course, as recently mentioned one needs to maintain the integrity of each company within each cube, and that's where POP meets string theory and 'The Susskind Boost' & 'The Peet Tent,' which we address shortly.

Step 6 (M-System 5) — The POP Investment Principle — The POP Train (2011)
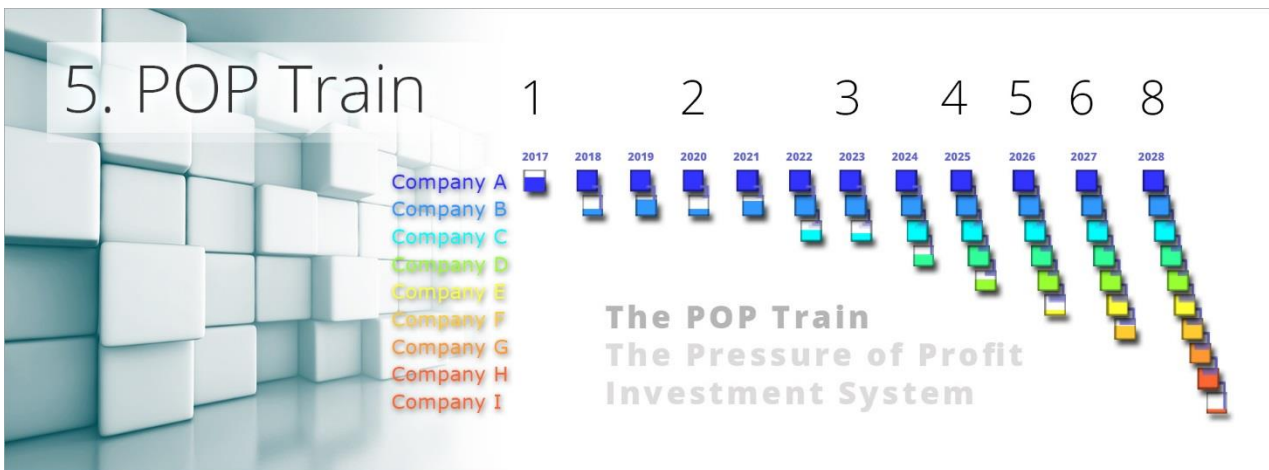
What turned a mathematical curiosity into the mathematics that underpinned the entire project was revealed when making the graphic you see above, called the POP Train.

This point may have been subconsciously influenced by the South African Bulls rugby team, and their train tactic; where three, then four, then five players line up behind the ball carrier and push in series, and the pressure of 5 teammates pushing in a line breaks through the opposing team's defence.
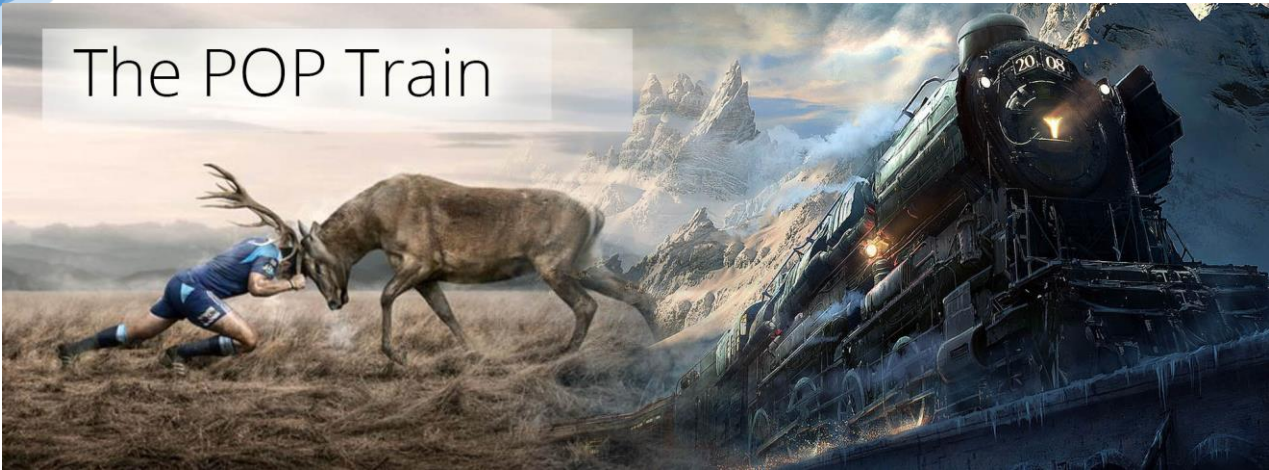
The POP Train

When investing in a POP train, all the POP investment from the first network of companies flows into the second (and we call the object that the overflow falls into a 'bucket'). Once bucket 2 is full, both networks 1 and 2 combine to fill 'bucket 3.' And once bucket 3 is full, networks 1, 2, & 3 combine to fill 'bucket 4.' After which new networks are created annually and the network snowballs and grows exponentially; as we see after the 11th year, more than 2 new buckets are created within a year.

Jimi Hendrix & POP, Wild and Free
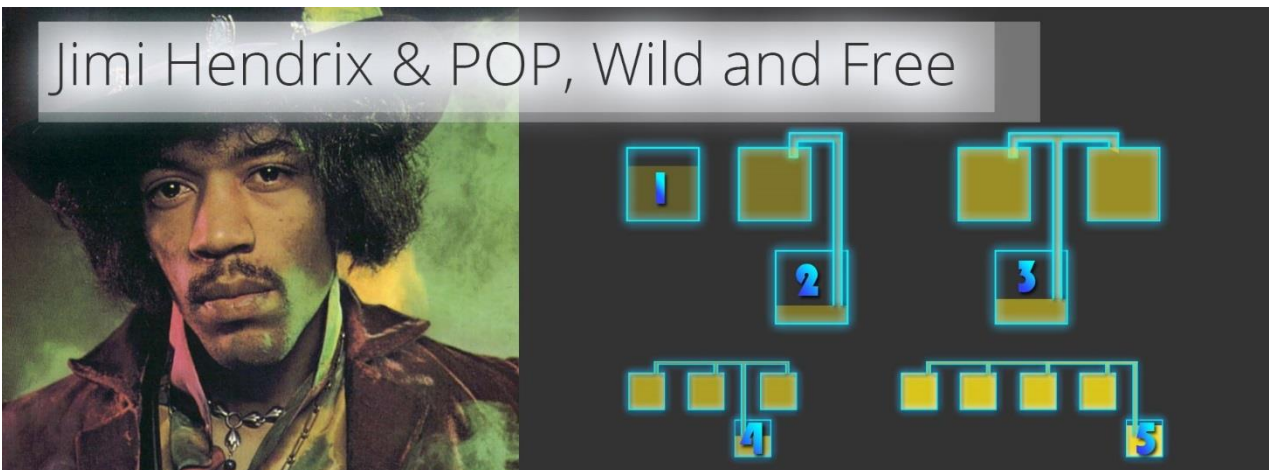
The POP Train

Hence POP 'The Pressure of Profit,' as the more companies in the train, the greater the pressure and the faster new networks are created.

"It's a bit like pushing a bus over a cliff edge, it takes some effort to get it started, but when it goes, there is no stopping it."

Quote by Brian Cox and Jeff Forshaw

Please note this version of POP is for grand networks (large resort developments). If we were to look at the POP of an individual company, it could create more than 2 new companies a year by its 3rd year. Also note that when a company reaches its POP point and exactly half of its shareholder's profit is being invested in POP opportunities, then from that moment on all additional profit is shared; half for stakeholders, half to more POP opportunities and special project commitments.

Practicalities of POP

The practicalities of POP are important, firstly the POP point is the point where a company is doing very well, and staff are reaping the rewards as well as the owners. This company at its POP point could weather a really bad change in circumstances, such as what has happened in vacations renewals in the days of Airbnb or the CEO became incapacitated) and still pay the bills.

The Villa Secrets plan called 'Scenario 7' sees that investors of both time and money only get to their POP point when they have done far better than the average business without our systems would have done.

Sure it's up to us to prove this exceptional business acumen for our members. However we have software and networking plans to make it so, and once the S-World train leaves the station there no looking back.

(POP is an investment, not a tax)

POP is a safe place to measure a company's underlying economic health, and as the years go on, all companies are expected to continue to be boosted forwards and then double their POP and beyond, so that the chances of any established company suddenly dropping below their POP pint is rare.

POP - Point of Profitability
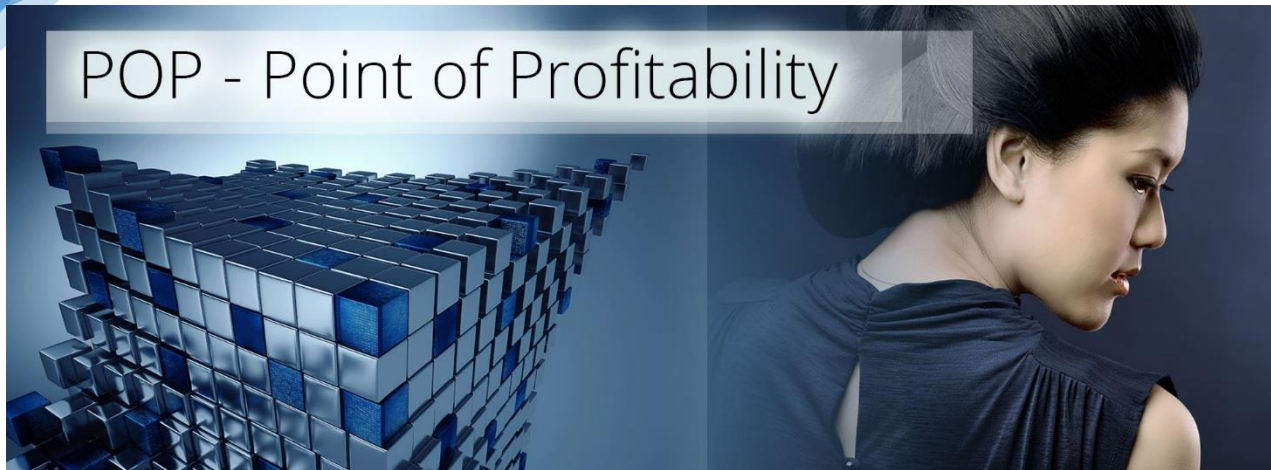
Of course, in a system of thousands of cubes, each containing thousands of individuals and companies, where we count the cubes in sets of 64; often there may be a few inner dimensional cubes that have fallen out of POP (had made it to their POP point but since slid backwards). So, we must count 61 of 64, 57 of 64, 63 of 64 and so on.

This can create rounding errors, and that's why in 2012, we called it, 'compatible finite math,' as the math is not perfect, just better. However, when we added string theory to maintain and repair the POP cubes that had fallen backwards, we can bring all networks back to 64/64.

String theory is important to the economics as it maintains the integrity of our cubic economy and is necessary for theoretical physics to do much the same; but for the fabric of our universe at extreme points such as black holes and the big bang, where there is a lot of heavy stuff, but it's all very small (quantum gravity).

To help fill in the gaps and fuel networks that have fallen behind (were making POP investment but are no longer), we need to move into string theory and skip forward to Step 10: M-System 3. The Susskind Boost.

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Step 10. (M-System 3). The Susskind Boost (April 2016)

Source: Leonard Susskind-Lecture 1 | String Theory and M-Theory
https://www.youtube.com/watch?v=25haxRuZQUk

'We boost the hell out of the system along the Z-axis (gross profit) until every single particle (company) has a huge momentum.

If there is any particle (company) that is going backwards along the Z-axis (gross profit), you just have not boosted it enough.

Just boost it some more until it's going forward with a large momentum.'

To apply this to the network, we change a particle for a company and the Z-axis to gross profit. And in general, we always boost the weakest companies in the network until they are going forward and are creating a healthy POP investment.


$$E = \sqrt{P^2 + M^2} = \sqrt{P_z^2 + P_x^2 + P_y^2 + M^2}$$
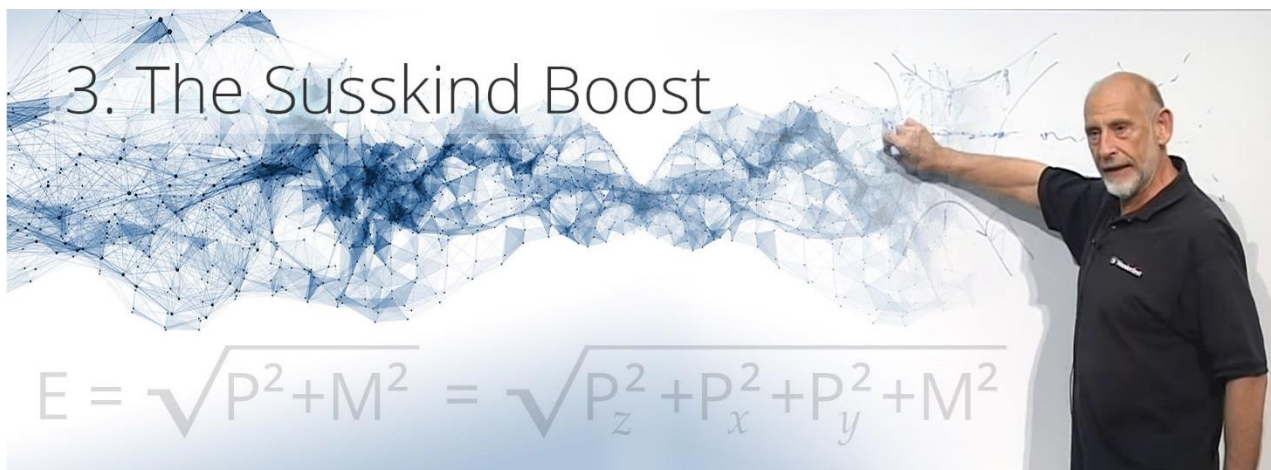
There are tonnes of ways to boost a company's profit without giving direct financial assistance.

Here are some options: Ť the award of tenders, Ŵ additional websites, Ć = contracts or mandates, higher ROI advertising, or making a company's goods or services a preferred purchase for those who have network credits (Planck Cubits).

However, if a company is in actual trouble, we apply 'The Peet Tent,' the shape of the GGW String that assists troubled companies, giving them the lift to be further boosted by The Susskind Boost; which will continue to boost the companies until they are creating POP again, so repairing the integrity of each network's cube until we see 64/64 across the board. This process never ends but will become mostly unnecessary for established cubes when the network becomes massive.

Step 11 (M-System 0) – The GGW String (Greene/Green/Witten) (Late 2016)
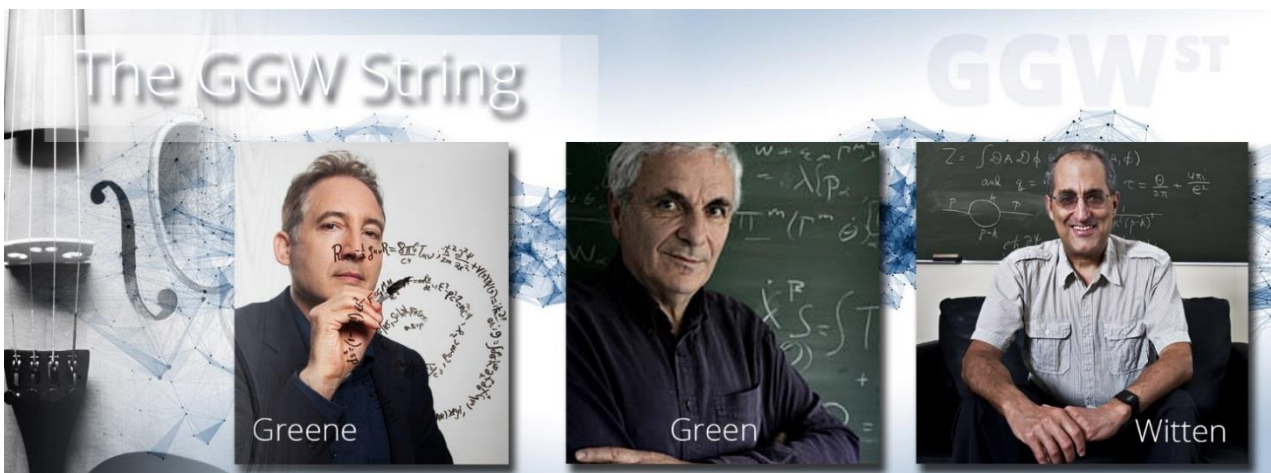
Named after the 3 physicists: Brian Greene, Michael Green & Edward Witten, who from 2012 to 2016 assisted our basic understanding of string theory.

The GGW string considers the most fundamental properties of string theory; 'the strings themselves' and that a good simulation in economics is for strings to be equivalent to the money earned by the S-World Network (the holding company/foundation/operating system), and the different ways we spend the money are the different shapes of the strings.

Instead of POP investment, the GGW String primarily receives its income from the gross profit from each company within the network.

However, after reading 'The Real Crash' by Peter Schiff, a solid case was made for lowering or removing direct taxes on a company's income. Remember, POP only applies after a company has done very well, and even then, it's an investment, not a tax. But the GGW-String income is a direct tax on profits.

One can say that such a direct tax on gross profit is equivalent to a standard franchise fee. However, in creating M-System 1. Villa Secrets, it was decided that the 5% equivalent of a franchise fee should be lowered closer to 2.5%, at least until the bulk of the systems were developed. And that the 2.5% be used almost exclusively for web, software, and network development; creating the systems that directly increased profit for the networks, thus creating a Nash Equilibrium.

Professor John Nash, winner of 2 Nobel Prizes and famous for being the subject of the Oscar-winning film 'A Beautiful Mind.'

A Nash Equilibrium is most often seen within game theory, it is, in essence, a win/win scenario, where one would choose the same outcome regardless of enforcement.

In the case of S-World Villa Secrets and the 2.5% of turnover contribution towards the development of software and the network, this is forecast to return from 25% to over 100%. So, to make a 25% or more increase from a 2.5% contribution is an action any sane company or individual would choose to make; hence a Nash Equilibrium of sorts.

However, it is quite possible that at a later point, this percentage will increase to provide some GGW String funding, which may be fully exclusive to the Susskind Boost and Peet Tent and seen as an insurance contribution, ensuring the integrity of the network and every business within.

Step 12 (M-System 4) — The Peet Tent (Nov 2012 to 2017)

The Peet Tent was the principle of physics from American Butterfly in 2012 that became the foundation for Angel Theory's M-Systems in March 2016.

But first a little history. Before starting S-World in 2011 between 2008 and 2011 while researching the Virgin network, it was noted that Sir Richard Branson made mention that the Virgin Network is a network of different companies (as is S-World). But in the case of Virgin (and most such groups), if one company failed, it was detached from all others, so all others were safe. This is, of course, the sensible way to create a network and was respected, but it was not in the spirit of 'A Theory of Every Business.'
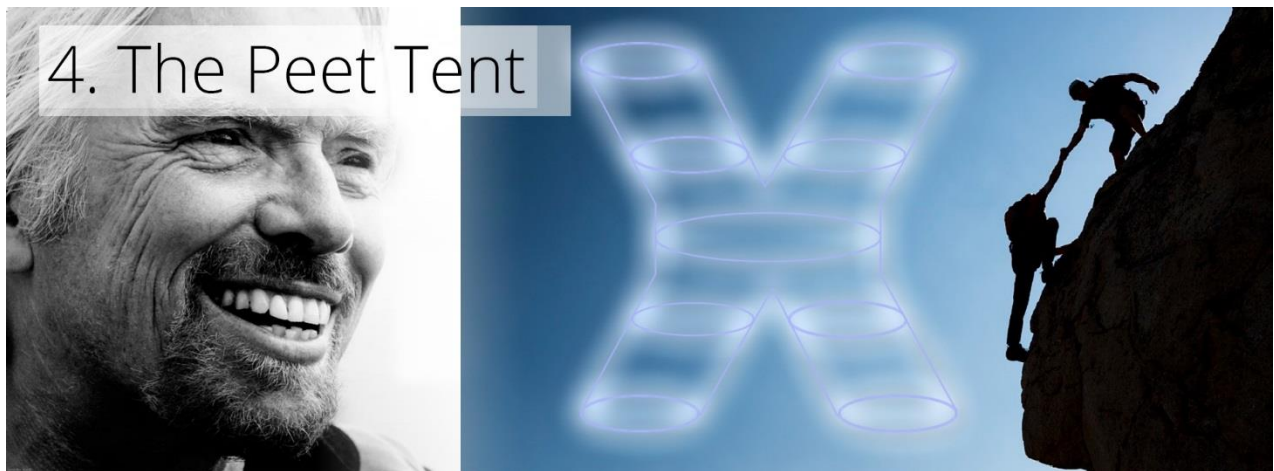
The Peet Tent is the answer to this dilemma.

Sources:

1. Dr Amanda Peet: String Theory for the Scientifically Curious
   https://www.youtube.com/watch?v=PpQngpaHamg
2. American Butterfly Book 3 'The Network on a String'
   http://americanbutterfly.org/pt3/the-network-on-a-string/cfm-pop-analogies.
3. Dr Amanda Peet: String Theory Legos for Black Holes
   https://www.youtube.com/watch?v=MlDd2HtFfPU

The Peet Tent is a shape of the S-World string that protects companies from failure within the network.

Below on the right, we see what is known as a 'String Feynman Diagram' (also known as a baggy

pants diagram) adapted to M-Systems, where instead of partials we see positive and negative financial results within the boundary of the pants/tent.


In string theory this is it, the theory of everything; as this is how the jittery and unpredictable results from quantum mechanics unify with the smooth results from general relativity (Einstein's theory of gravity) as they all fit within the string theory Feynman diagram's baggy tent. This is also why string theory is said to be a very economic theory.

In the end, the simulation in economics was simple enough (albeit it would take years to work out); one must make provision for companies in trouble. If applying the Susskind Boost did not work by adjusting opportunities, one must apply The Peet Tent; which provides direct income to the Susskind Boost, so boosting troubled companies back to health and then fitness.

This works equally for companies on their way to POP and for companies that have achieved POP but have fallen backwards.

So long as there was enough income in the GGW String, all companies are safe, permanently.

Professor Edward Witten, Standard and String Feynman Diagrams
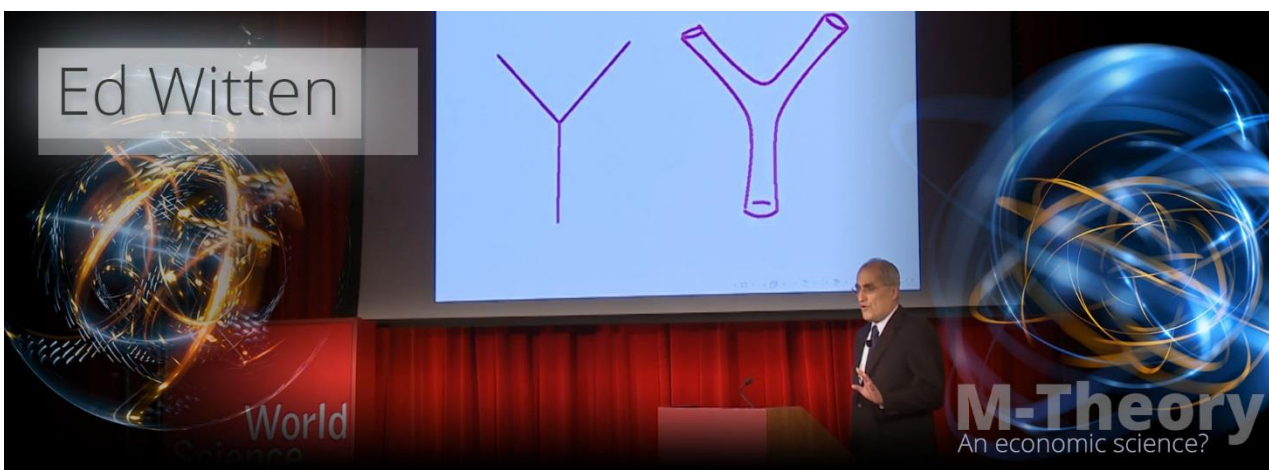
Above we see Professor Edward Witten present both the standard Feynman diagram in quantum mechanics and the string version; and as you can see in the standard quantum version, there is no tent at all, hence only by using string theory can the physics be unified, so creating a TOE.

The Peet Tent Limited Liabilities

For now, before the system is massive, there are some practical limitations such as provisions

against lawsuits that would not have been made if not for the deep pockets of The GGW String, and the many systems of M-System 1 and especially S-World TFS™ (Total Financial System) and S-World CRM CC™ (Company Controller); which collectively keeps a careful watch of every penny made and spent by every company, so we can see problems before they occur, which can mostly be fixed via better management and The Susskind Boost.

4. The Peet Tent Limited Liabilities
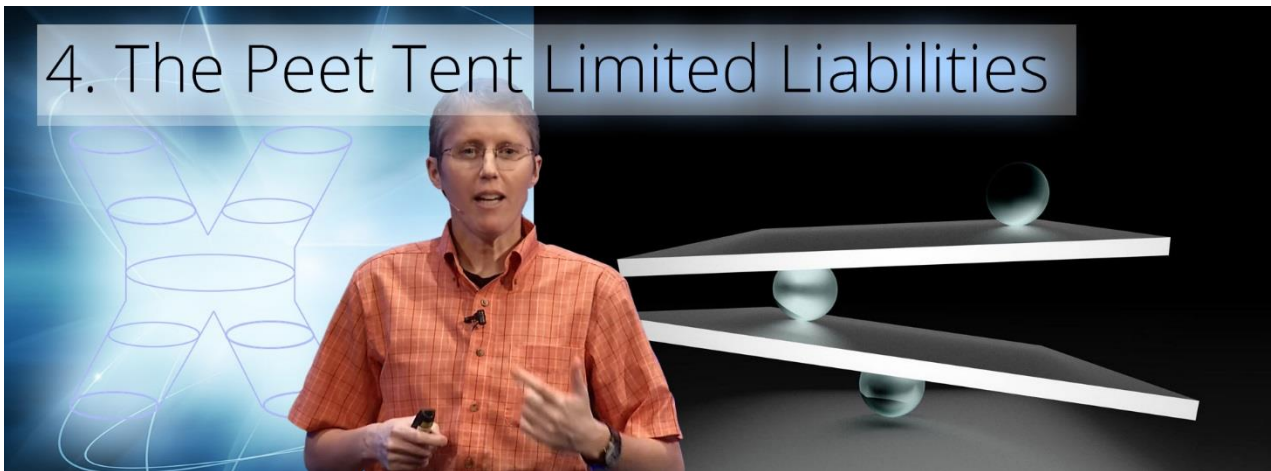
And in addition, comes Step 13. QSF (Quantum Safe Forecasting) which we shall look at shortly.

Before we carry on, let's see the system architecture again.

So far, we have looked at the original chaos theory inspired by POP Steps 1 to 6, plus the string theory Steps 10 to 12; which creates the network's underlying financial gravity and maintains its integrity. Next, we move onto Step 6b 'Baby POP' and see the creation of a cube of grand networks and 'the boat.'

Step 6b (M-System 5) – Baby POP – Grand Networks POP Train & Boat (2012)
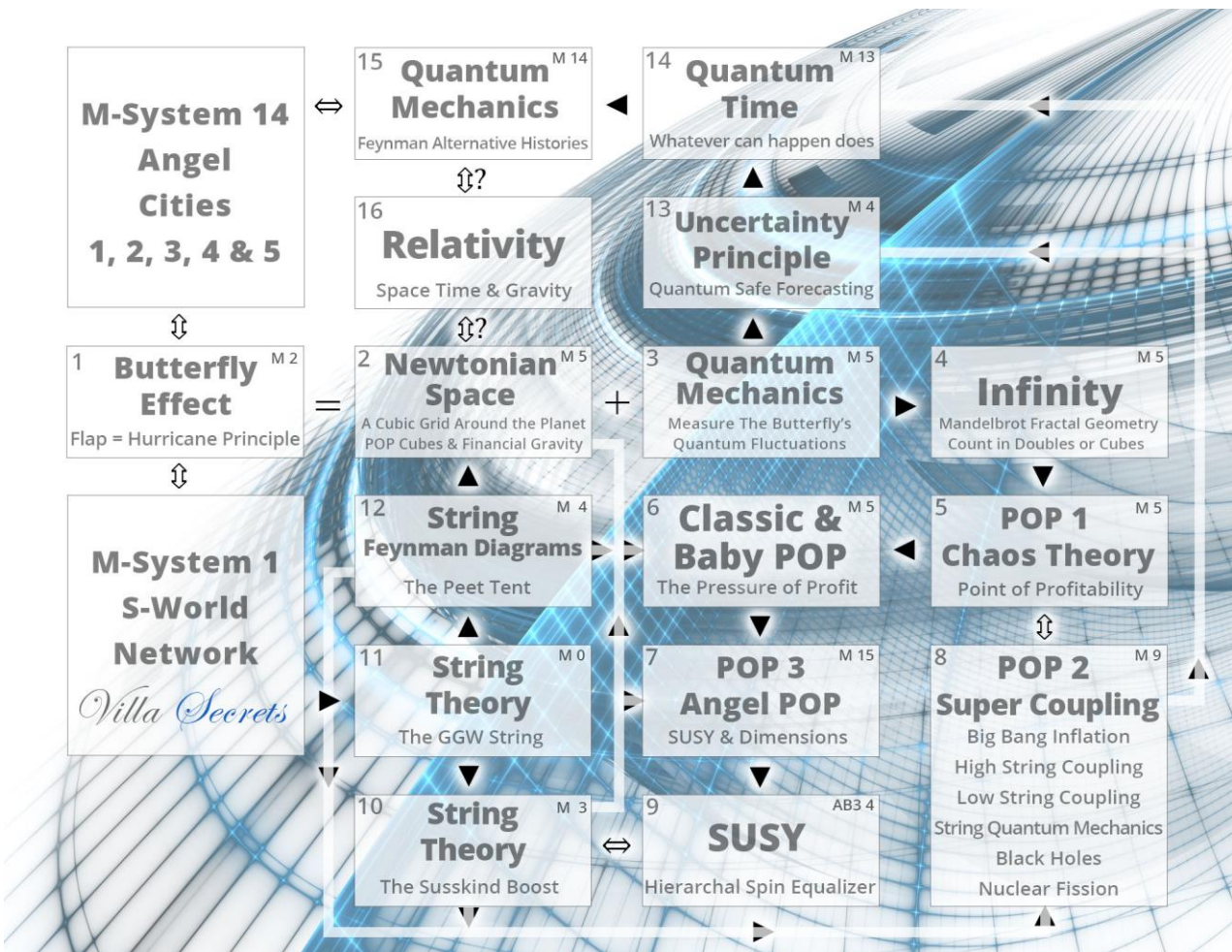
Baby POP was a derivative of the original POP investment principle for super grand networks that required a large investment and POP point for an initial super-grand network, but smaller investments and POP points for its offspring.

Like Classic POP, Baby POP invests per the train method; in fact, Baby POP is the same as Classic POP, just the POP point for new grand networks created is lower. This story is told in detail as the introduction to American Butterfly Book 3: The Network on a String:

http://americanbutterfly.org/pt3/the-network-on-a-string/prequal-CFM-and-POP.

Here is the original graphic, showing the 16 grand networks investing per the 'train' method of POP which eventually creates 'The Boat.' Full of investment profit, set for new adventures.

One thing that needs clarification is why is this model seems less explosive than the original, which after the 11th year created 2 new networks per year? The reason for this is in part due to being cautious in our estimations as middle networks have fewer tenders, but in addition, because Baby POP has lower POP points for its offspring, there is not as much pressure.

To recap, once the original super grand network had reached its POP point, all additional profit pours into the creation of a new network. And later when this new network reaches its POP point, both the mother and baby networks combine to feed a third, and then a fourth until all 16 grand networks are making their POP investments in a train pouring their collective POP profit into what we called 'The Boat,' ready to sail away to fund the start a new super grand network.

Next, we move to the great universal equaliser and supersymmetry:

Step 9. The SUSY Hierarchal Spin Equalizer (2012)

SUSY stands for Supersymmetry, the component that is added to string theory that created M-theory and a multi universal theory of everything.

The SUSY Hierarchal Spin Equalizer was created for the second grand network design, 'The Orlando Network' in 2012, to smooth out and even the POP investment capital of the networks within.

Based on a real-world plot of 9 square miles of land priced at $100million located near Orlando; over 2011 and 2012, a super-grand network was costed, and per Baby-POP method was set to create 15 grand networks. However, when the expected POP profit from all was tallied up, it made for a very unpredictable picture. Which to a degree was OK as all were in POP, and so the underlying financial gravity was solid.

But, was there a way to make the post POP profit made from each grand network *more predictable?*

To create evenness within the 16 networks, in the Autumn of 2012, the rather grandly titled SUSY Hierarchal Spin Equalizer was theorised.

http://americanbutterfly.org/pt3/the-network-on-a-string/susy-hierarchal-spin-equalizer

Below we see the original forecast for 2040 and the expected revenue generated by the 16 networks, which as we can see is a very random affair. Some will do well, particularly in the beginning due to tenders (Ť) such as contracts in construction, and at the end network due to the

boat, but networks 6 to 15 were a lottery. Which, when we consider that M-Systems is based on making a less chaotic and more predictable economy, is not ideal.
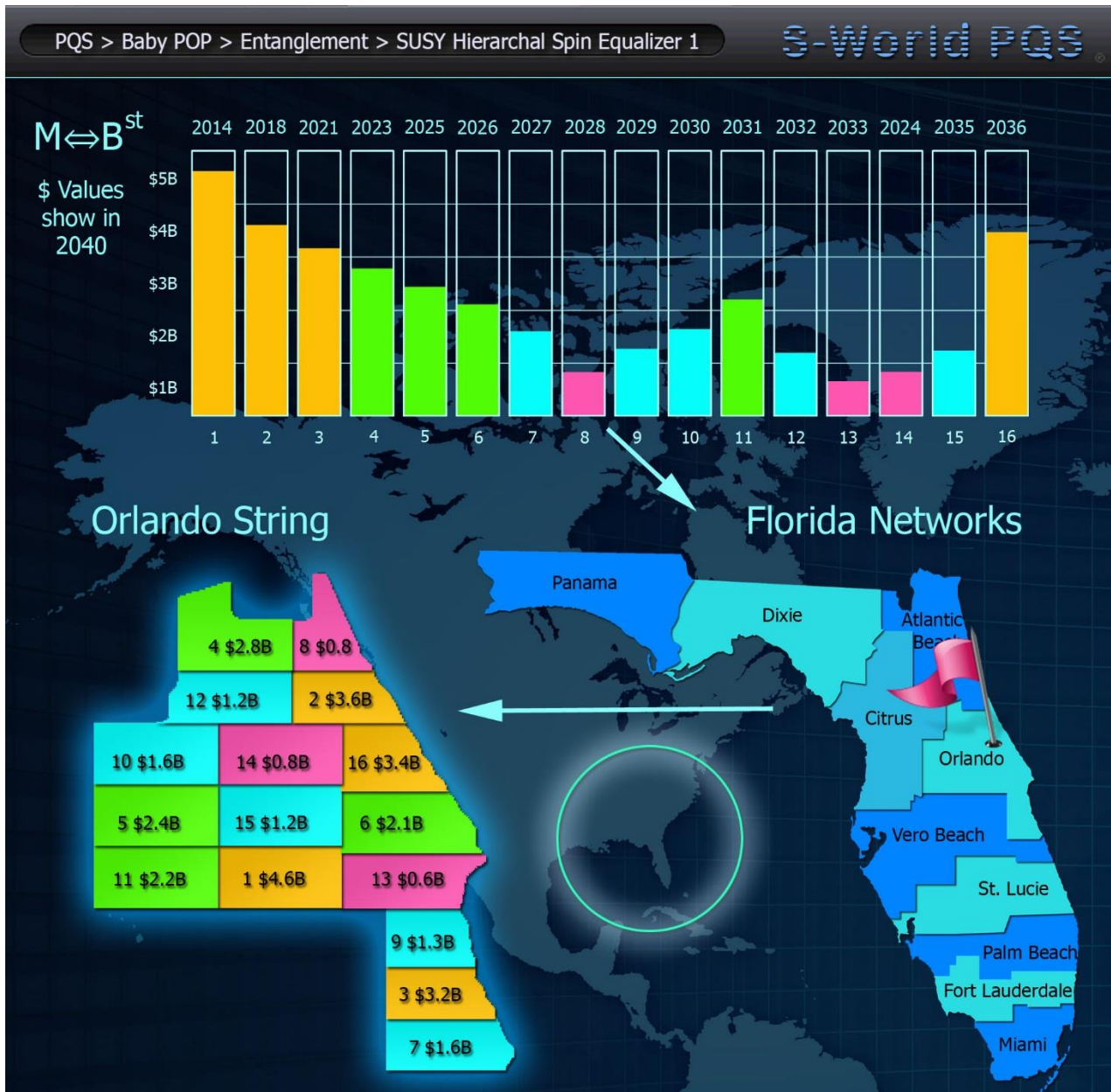
So, from a short video on Supersymmetry; the idea arose that for every particle, there is an equal and opposite particle.

This presented the idea of twinning all the 16 networks, so the weakest and strongest become one supersymmetric network, and the rest followed suit. This is why we have sets of 16 grand networks because we twin the strongest and weakest to make 8 relatively similar supersymmetric networks, which in turn become a higher dimensional (D8) network cube.

The results are seen in the following graphic, in which we see that as supersymmetric pairs, all the grand networks have similar combined profit.

(Note in case anyone was wondering what the PQS is, it was the 2012 name for M-Systems – 'Predictive Quantum Software')

Angel Theory

S-World PQS

Weakest joins Strongest

Entangled
Orlando String
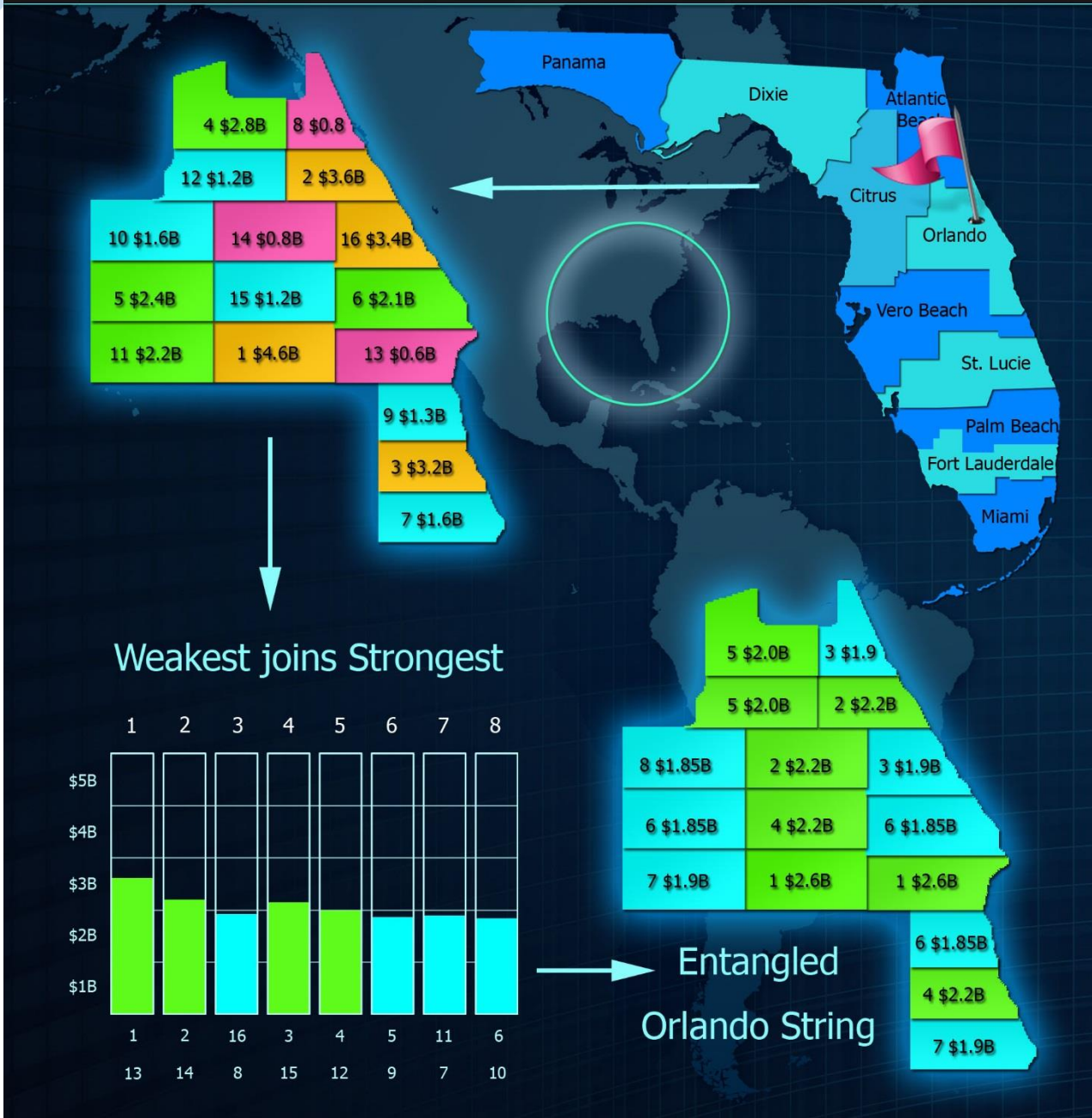
However, whilst this was a lot tidier and looked out for the little guy, it would always be seen as a penalty/tax of sorts to the stronger networks.

So, if instead of seeing the 'POP boat' (being the overflow of profit from all 16 grand networks) floating away to create a new grand network in a different location, once the last network has achieved POP; the boat will invest in the weakest networks, per Susskind Boost method until eventually all 16 networks become massive, and turn into super-grand-networks and a (D9) cube, which is 8 times as profitable as a D8 cube, an objective all companies in the network would love to achieve.

And because the networks are all entangled, boosting the weakest has the same effect as boosting the strongest, which for the stronger networks is the payback from entangling the strings in the first place.

ANGEL THEORY'S M-SYSTEMS – THE ECONOMIC THEORY OF EVERYTHING (E-TOE)

Step 7. (M-System 15). Angel POP (2012 - 2017)

Angel POP enables all special projects. It is the magic supersymmetric source that underpins the S-World global network philanthropic, ecological, social and complexity saving ambitions; first described in November 2012 in Chapter 7 of American Butterfly Book 3, 'The Network on a String' http://americanbutterfly.org/pt3/the-network-on-a-string/angel-pop-global-benefits.

Angel POP creates symmetries between prime investment opportunities and opportunities that, without the Angel POP framework, would be considered economically unviable (an abject network).

And it restricts the growth of the network so that for every prime network created, there must also be an abject network.

This system works in 2 ways:

1. Complexly by twinning continental network cubes within cubic dimensions that need to have reached their POP points before a new dimension is opened.

2. Simply by twinning the first two networks as we create one in California and another may be in Malawi, and then another somewhere in Europe twinning with India and so on (or if necessary combining both California and a second equally profitable network, with an abject network).

We shall look at Method 1 first, as that was the original inspiration.

Method 1. String & M-Theory Dimensions

String & M-Theory Dimensions
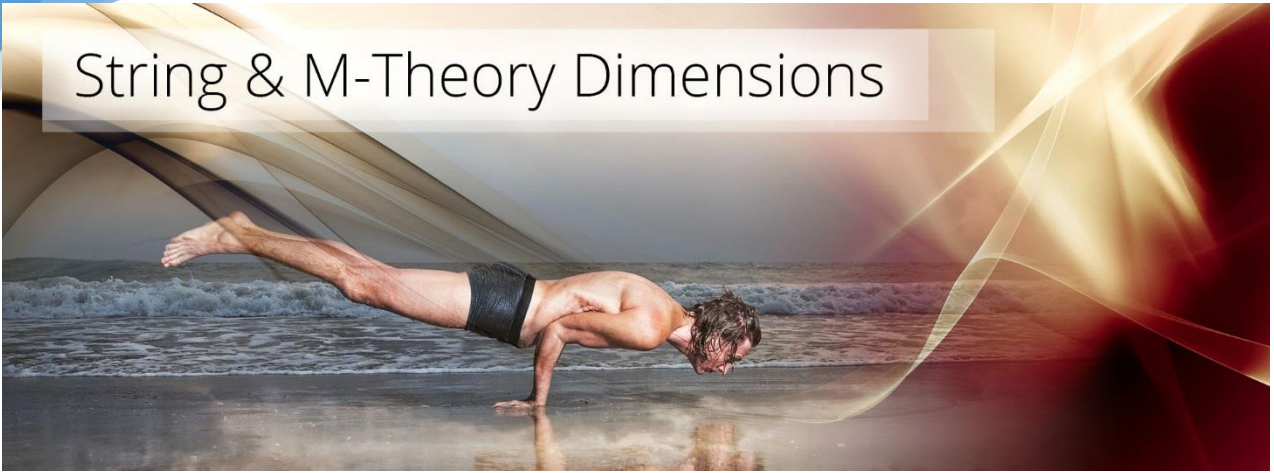
One thing about string theory that makes most of us scratch our heads is that its mathematics only works in 10 or 11 dimensions. The 3 spatial dimensions we know (length, width, height) plus 'time' gives us our known 4 dimensions. But string theory adds 6 tiny curled-up dimensions, so small we cannot see them. And M-theory adds the 11th dimension as a framework within which many universes including our own exist.

I am yet to find a book or video on the mathematics of how these 11 dimensions work, which leads to the conclusion that the math must be too complex to be explained simply and without complex equations.

String & M-Theory Dimensions
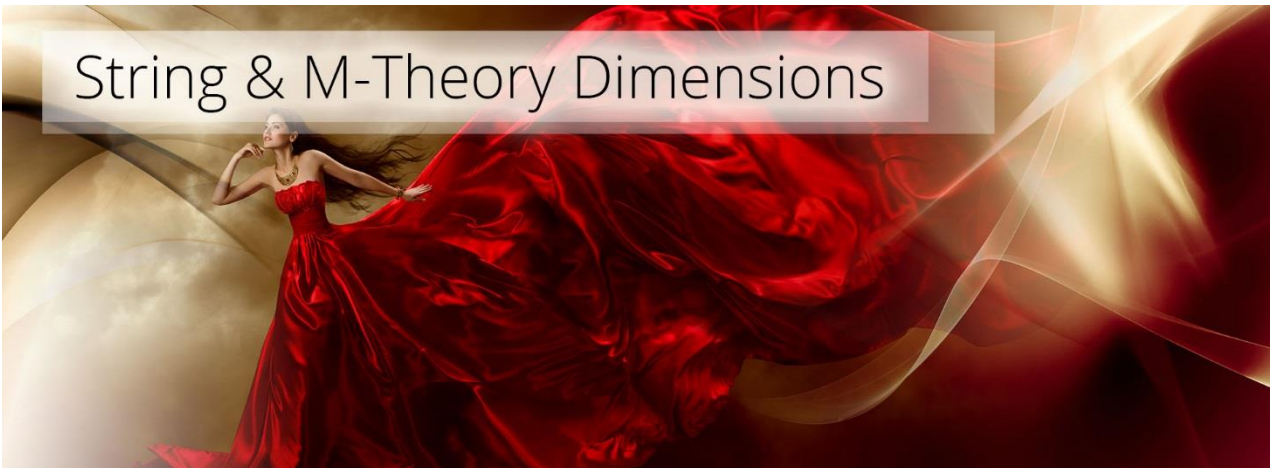
However, within M-Systems, we too work in dimensions, but they are very simple to understand as they are cubed. Which is simply a multiplication of an existing dimension by 8 as seen below. So, we fit 8 cubes within a 2nd dimension 8-cube, and 8-second dimension cubes make a 3rd dimensional 64-cube, and the 4th dimension is the 512-cube and so on.

5. POP Cubes

1   8   64   512
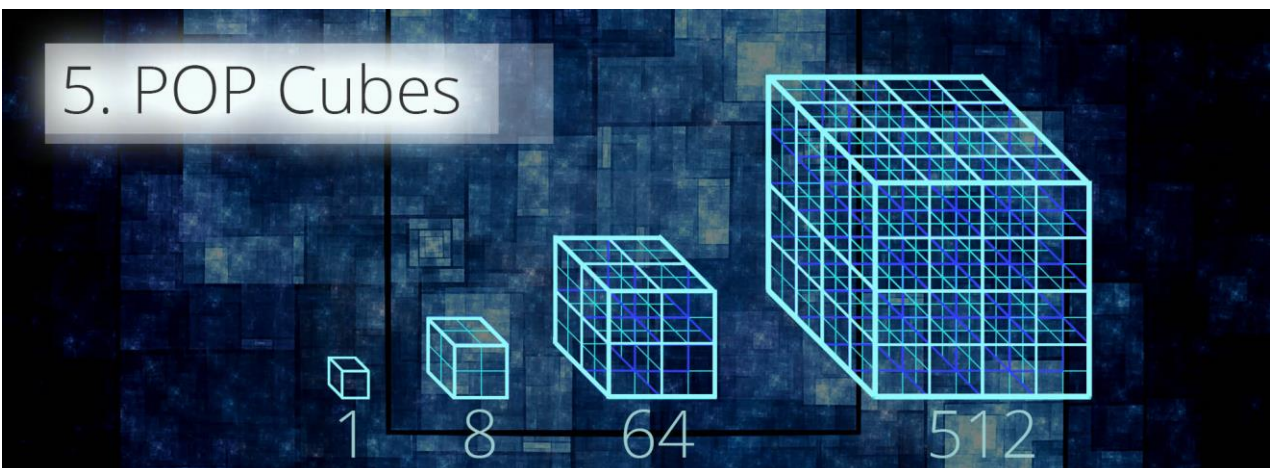
Let's see this in practice…

$0.01 > $0.08 > $0.64 > $5.12 > $40.96

>

|		
$327.68	D1	Abject Poverty Company (Can be a single person)
$2,621.44	D2	Relative Poverty Company
$20,971.52	D3	Small Company
$167,772.16	D4	Standard Company (Primary Network in Abject Location)
$1,342,177.28	D5	1st Tear Network (Primary Network in Relative Location)
$10,737,418.24	D6	2nd Tear Network (Primary Network in Prime Location)
$85,899,345.92	D7	Grand Network (Small Resort Development)
$687,194,767.36	D8	Super Grand Network (Large Resort Development)
$5,497,558,138.88	D9	8 Global Network Cubes #1
$43,980,465,111.04	D10	Once D9 is full it opens D10
$351,843,720,888.32	D11	Angel City 2 Target (2024) (Only opens if there is no D1)
$2,814,749,767,106.56	D12	Angel City 3 Target (2032) (Only opens if there is no D2)
$22,517,998,136,852.50	D13	Angel City 4 Target (2048)
$180,143,985,094,820.00	D14	Angel City 5 POP Target (2080)
$1,441,151,880,758,560.00	D14	Angel City 5 Turnover Target (2080)

How Angel POP works on a macroscale is to create 8 even continental network cubes and restrict investment into the richer cubes once they reach a specific POP point, which in the 9th dimension 'D9' is $687,194,767.36 (note that this figure is divided by 8, as it is specific to one continental cube).

Once any continental cube generates more than this amount, its POP investment needs to be invested in the cubes that have not reached their POP point. And only once all 8 continental cubes are in POP (making more than their POP point), does 'D10' open.
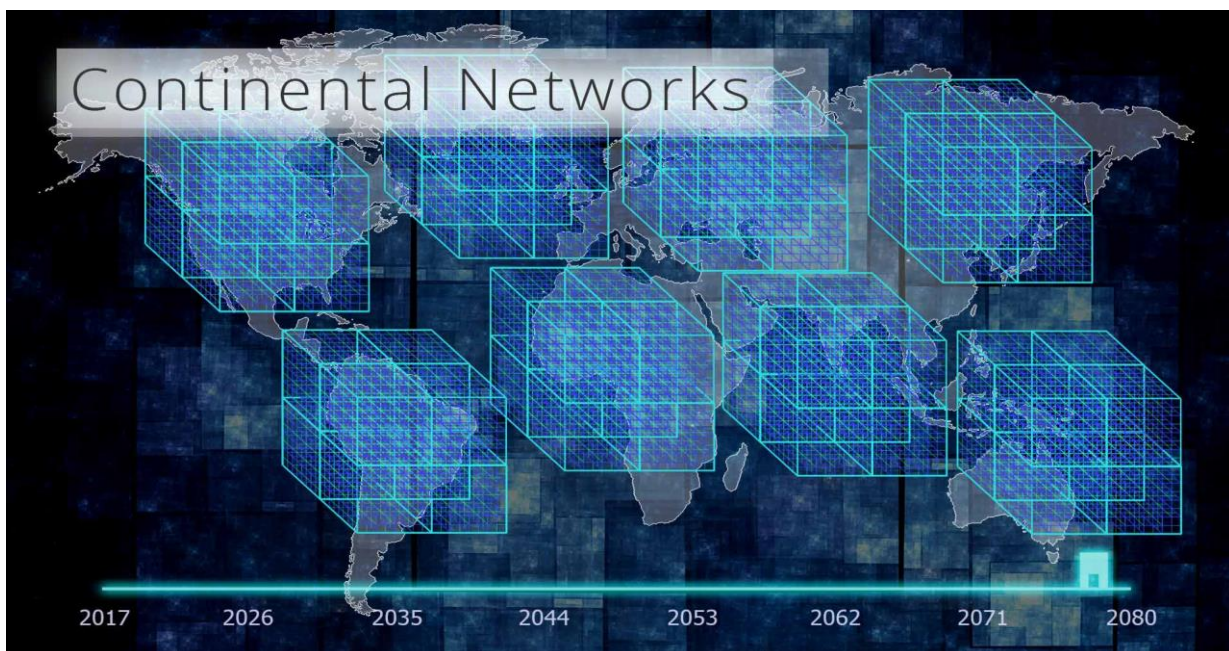
The important simple but very powerful point on the mathematics which made Angel POP the champion of American Butterfly is when working in this way, one finds that due to the power of

the POP investment train, the last companies in a closed/restricted network (which would usually be the least economically desirable locations), get made very quickly due to the pressure of all the other companies' POP profit channelling into them. And the very last 1% of the cube, which would be the least desirable locations on the planet, will be fully invested in no time at all.

And so, when the investment is generated, any location specified in any initial continental D9 or D10 cube will eventually become a success; and due to this quality of Angel POP, it makes such investments appetising in the first place.

And that's 'Angel POP.'

From the first principle, the simple idea that if the S-World network is successful, then even the most undesirable economic locations become desirable due to their predetermined eventual success. If the S-World Network becomes massive, all locations designated as networks will be a success.

This system is the exact opposite of a pyramid scheme, as where a pyramid scheme does not make anything, S-World Networks make everything and are a theory of every business; continually budding into new small owner-led companies, made super-competitive due to the systems and the gravity of the network.

Instead of a pyramid, we have a cube; and within, a circular butterfly effect. As at the end of the journey, we start again from the beginning but with greater force, as is seen in the following 2016 system design.

Note: In #3, "companies profit" should be "company's profit" on the image above.

From a physics analogy perspective; we present 'POP-C,' consider Einstein's Special Relativity and the law of diminishing returns. In terms of reaching the speed of light, the 'C' in Einstein's $E=MC^2$. When Travelling at 90% of the speed of light, time slows down by about 50%. And if one is at 0.004% of 'C,' then time slows down by 25 times; and the faster you go, the slower time travels. And in fact, one can never reach the speed of light as time would standstill.

In comparison (but in reverse), when a closed POP dimension such as D9 is at about 90% completion, time speeds up by about 50%; and at 0.004% left to go, the last network may be created 25 times faster.

(Note we are not following the math precisely, it's just an analogy that seems to fit the model well, which demonstrates that the Angel POP system has a law of accelerating returns.)

Angel POP Dimensional Math

One point on the math, before D11 can open, we would like to have eradicated all D1 (abject poverty) within a certain catchment area from grand networks constructed. And whilst this is to a degree contorting the model to fit with the 10 dimensions + time of M-theory; having made the contortion, it seems suited to the model.

Albeit there is a good argument that we should work in 9 spatial dimensions, not 10, as the M-theory dimension is equivalent to the Angel Theory framework (answers on a postcard please?).

Another point is that the D14 Angel City 5 2080 turnover figure is GDP, which we calculate to have increased by 3% a year making $508 trillion, which has been increased by about 180% due to the improved marketplace / economic system.

Original Angel POP Principle (2012)

The original Angel POP principle was written in D14 (14 cubic dimensions) extreme macroeconomics within American Butterfly.org and by 2080 demanded 32,768 different grand or super grand networks, spread evenly across the world. This figure was primarily based on the number of medical facilities and operation centres needed so that everyone on the planet was close to a medical facility, and that each operation centre could locally create economic opportunities.

And while this sounds like a lot, when we break it down (before the mid-21st century), we are only looking at 1 grand network per continental cube every 4 years.

Of the 32,768 virtual networks, only 4,096 need to be physical grand networks. The rest can be virtual (grand networks not attached to a real estate development). We then must divide by 8 for the continental cubes leaving 512 physical networks per territory. Which we further divide by 16, due to the magic of Baby POP, which leaves us with 32 grand networks over 64 years. So, one every 2 years, or one network every 4 years for the first 32 years, and 1 every year thereafter.

Angel POP Method 2. Twinning (applying a symmetry) to the first two networks

The beauty of Angel POP is that it creates symmetries between prime investment opportunities and opportunities that, without the Angel POP framework, would be considered economically undesirable. Where an economically desirable S-World virtual network opportunity such as Villa Secrets California plus another similar virtual network is twinned with an undesirable economic opportunity such as a grand network (resort development) in a location in abject poverty such as in Malawi (Fort Malawi), or a remote part of India (Silicon Beach).

We have already seen that via Villa Secrets in California, by 2021, we expect to create $42,949,672.96 per year in POP Investment, plus as much again from another network, which in the land of American Butterfly ripple effects goes a long way.

Working in this way and working on a principle that for every virtual network in a prosperous location, a grand network is built in a location of poverty; as the network grows, it does so evenly across the world bringing opportunities to locations of abject poverty. And because of this:

"Grand Networks in areas of Abject Poverty are Special Projects."

Because of Angel POP, we are creating a system where everyone who works within, be it a film star, a rocket scientist, a domestic helper, a construction worker, or a teacher; no matter their location, all contribute to the special projects and making our utopian 2080 Angel City 5 vison a reality (See Part 1).

POP is the system that turns a technology solution from one that threatens jobs to one that creates them. A variation on Sam Altman's (Y Combinator's) vision for the future where technology has helped the world to the degree that most of the world are paid for to do nothing, but incorporating the Chan Zuckerberg philosophy of helping people to reach their potential, where people have a choice to work or not.

Because of Angel POP, we turn a set of super-capitalist businesses into what may well be the most progressive charity project on the planet. A point that we shall present to the Bill and Melinda Gates foundation, as in many ways their model inspired ours; and Facebook founder Dustin Moskovitz's www.openphilanthropy.org who asks, 'How can we accomplish as much good as possible?'

The Gates Code, Supersymmetry, Simulated Universes & President Obama

To conclude, Angel POP makes symmetries between networks in rich and poor countries, and via its dimensions ensures that the network grows evenly across the planet; seeking an eventual supersymmetry where from a POP cube's perspective, all networks are interchangeable.

I would be amiss if I did not credit the original source for supersymmetry. It was Dr James Gates seen below with President Obama.

Dr James Gates & President Obama
M-Theory
An economic science?

Shortly before writing Angel POP, I was intrigued with Gates' paper in Physics World, Symbols of Power, in which Gates found web browser correcting code within the equations for supersymmetry, the multi universal theory that was added to string theory to make M-theory.

This curiosity changed my view on the creation of the S-World virtual network from a virtual world to a simulated universe (more on this in later chapters).