ANGEL THEORY

Paradigm Shift

Book 2

The E-TOE – Part One

Out of Chaos

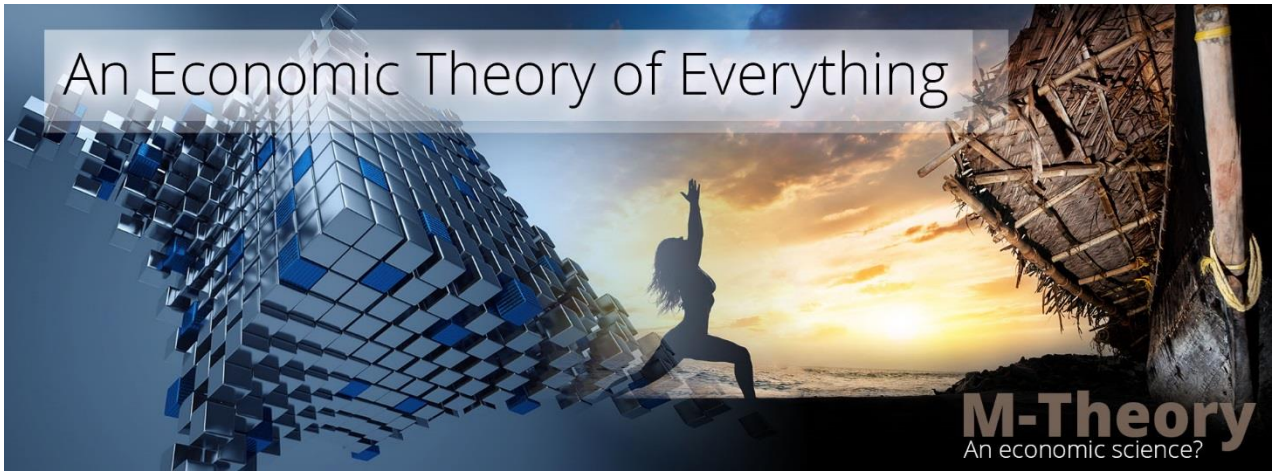
The Economic Theory of Everything

By Nick Ray Ball August to November 2017

The E-TOE

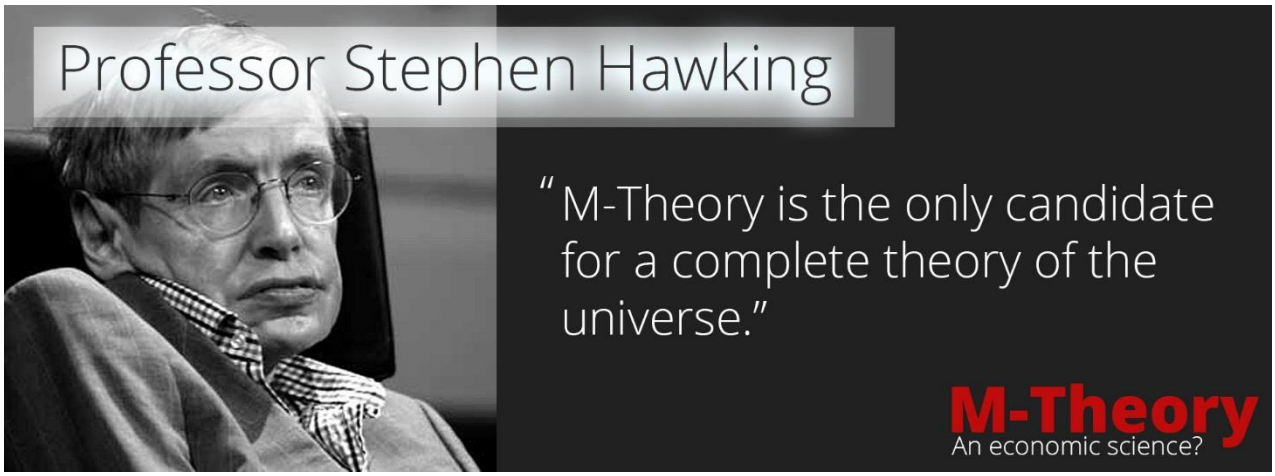
An Economic Theory of Everything

By Nick Ray Ball 15th November 2017



Chapter 1: M-Theory & The E-TOE

Introducing M-Theory, described by Professor Stephen Hawking as "The only candidate for a complete theory of our universe," which we have mimicked and simulated to create an Economic Theory of Everything (and Theory of Every Business).



Inspired by Sienna Skye

Part 1 – The Theory of Everything

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?

Welcome to Angel Theory Chapter 2: 'An Economic Theory of Everything.' This chapter fully describes the POP process which leads to the 'E-TOE' and aims to teach and 'blow the minds' of attentive readers who do not know M-theory and the 'Theory of Everything' by associating the components of it with everyday experiences; and 'blow the minds' of the world's elite theoretical physicists seen within by presenting it as a tool for modelling economics, which can provide testable results.

In addition, this chapter provides a deeper explanation of the POP Investment System for companies that wish to join the network.

Part 2 – Introducing the 'E-TOE.'

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 my short book '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' www.americanbutterfly.org that added elements of string theory and supersymmetry to the previous business, economic, chaos and quantum theory influenced instalments. 'The Network on a String' presented 8 ways that the original 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.

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...

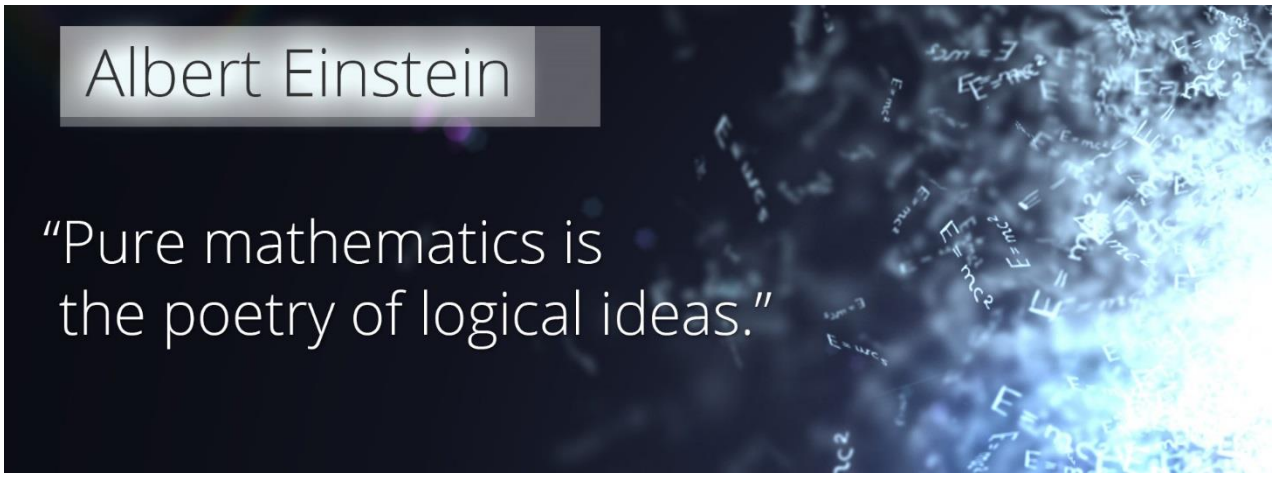
"Ever since Newton and especially since Einstein, the goal of physics has been to find a unified Theory of Everything.

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 (Paraphrased)

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 all of 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 as 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.'

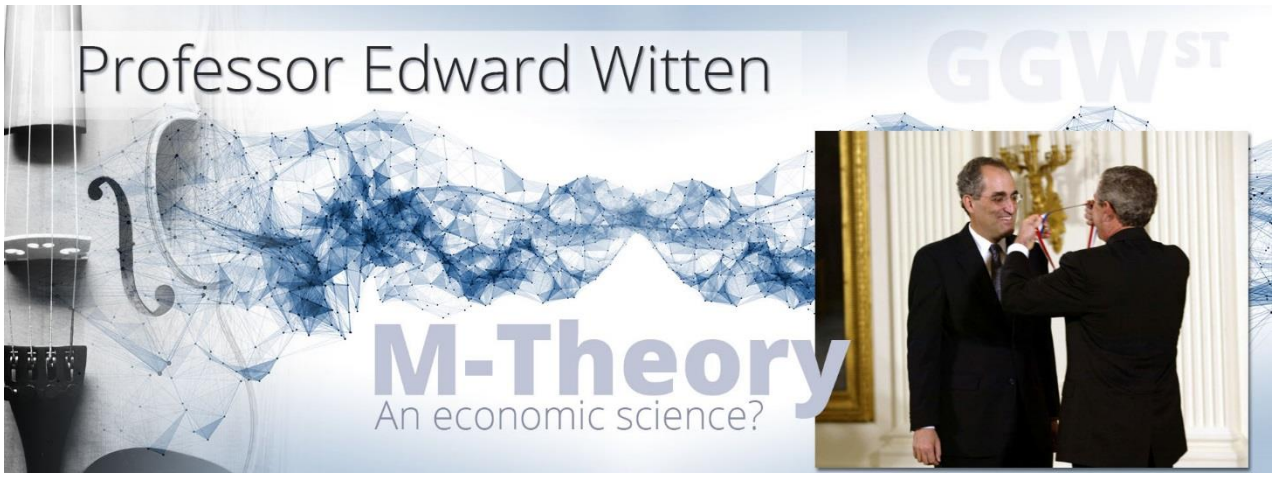
By Professor Michio Kaku (Paraphrased)

In this book, we will show how chaos theory, quantum mechanics, special relativity, general relativity, string theory, supersymmetry, and M-theory can be simulated and applied to business science and economics; and that the 'S-World M-Systems' (mostly summarised in Chapter 1 Part 2) is a good M-theory influenced economic framework.

For a long time, the question: **'Can we consider M-Theory an economic science?'** has been entangled with The S-World Network and its 'M-Systems,' and now it has become the slogan.

"M-Theory an economic science?"

First written on the graphic below for the Father of M-Theory, Professor Ed Witten.



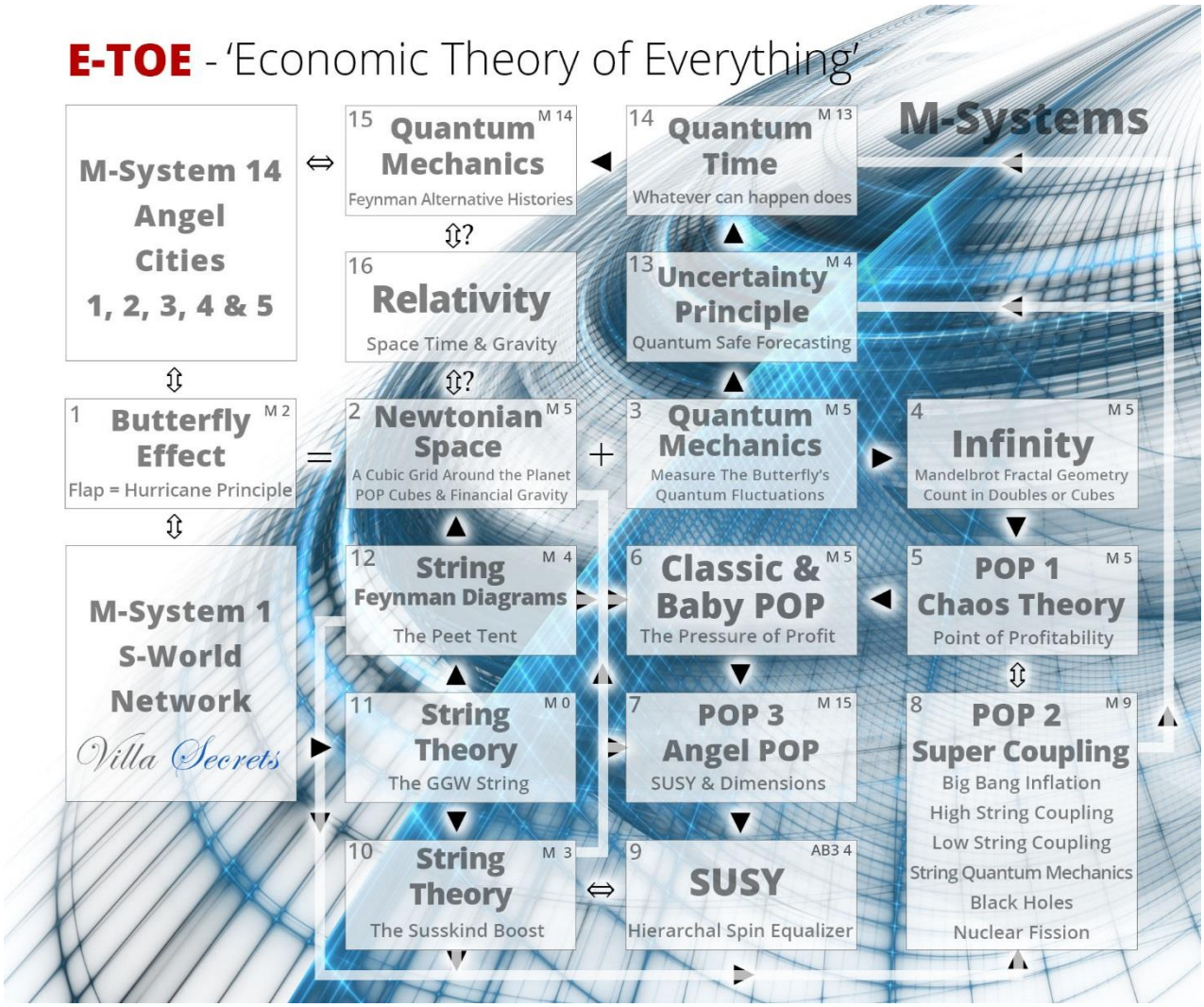
"I feel that we are so close with string theory that - in my moments of greatest optimism - I imagine that any day, the final form of the theory might drop out of the sky and land in someone's lap."

Professor Edward Witten
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?"

M-Systems POP System Architecture (The E-TOE)

Below we see the latest system architecture.

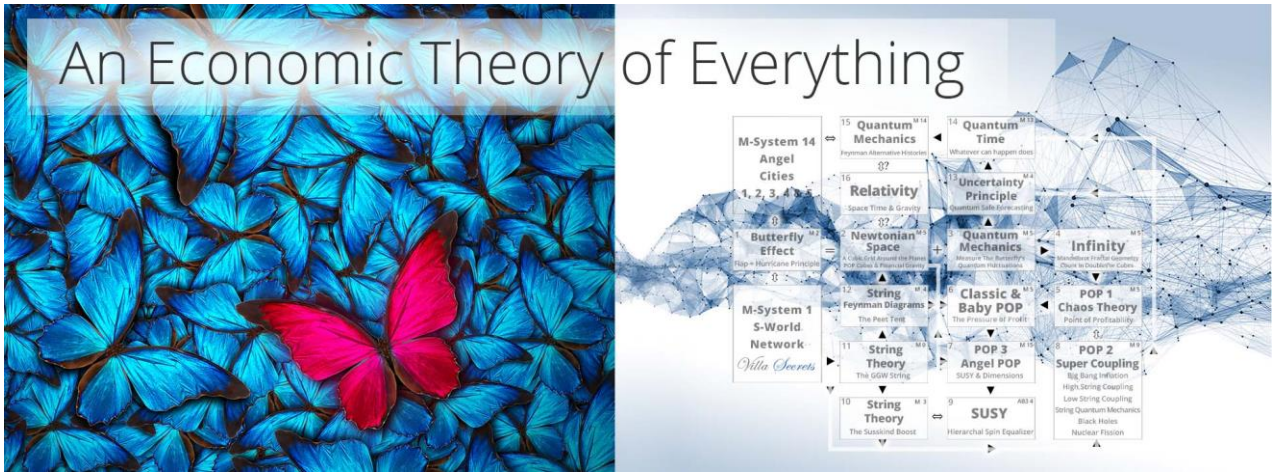


The E-TOE – Out of Chaos

An Economic Theory of Everything

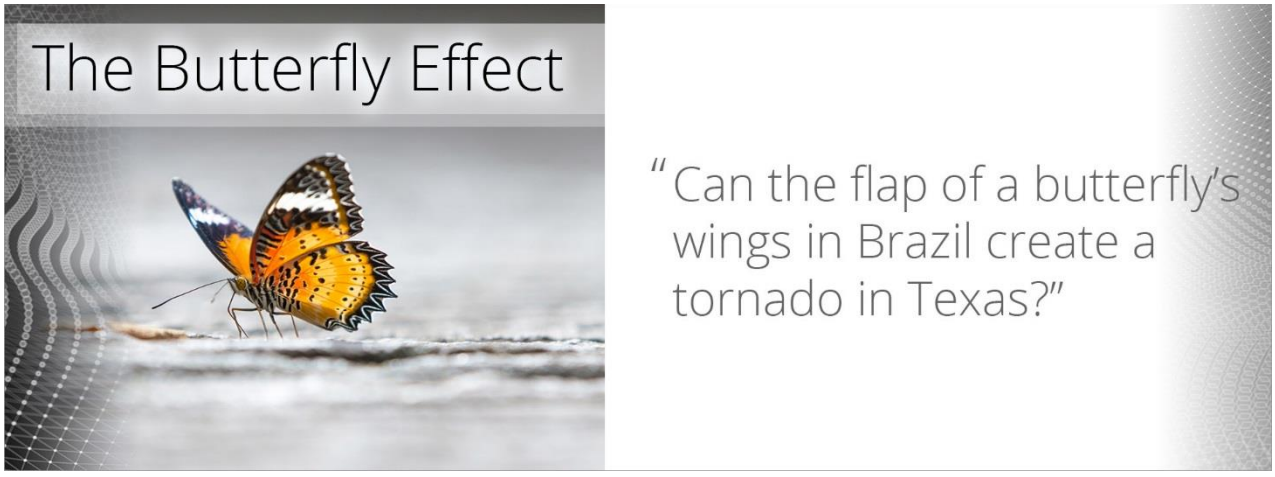
Chapter 2

By Nick Ray Ball 13th December 2017



Part 2: The flap of a Butterfly's Wings

An Economic Theory of Everything Part 2: From the flap of a butterfly's wings to the financial gravity of the network.

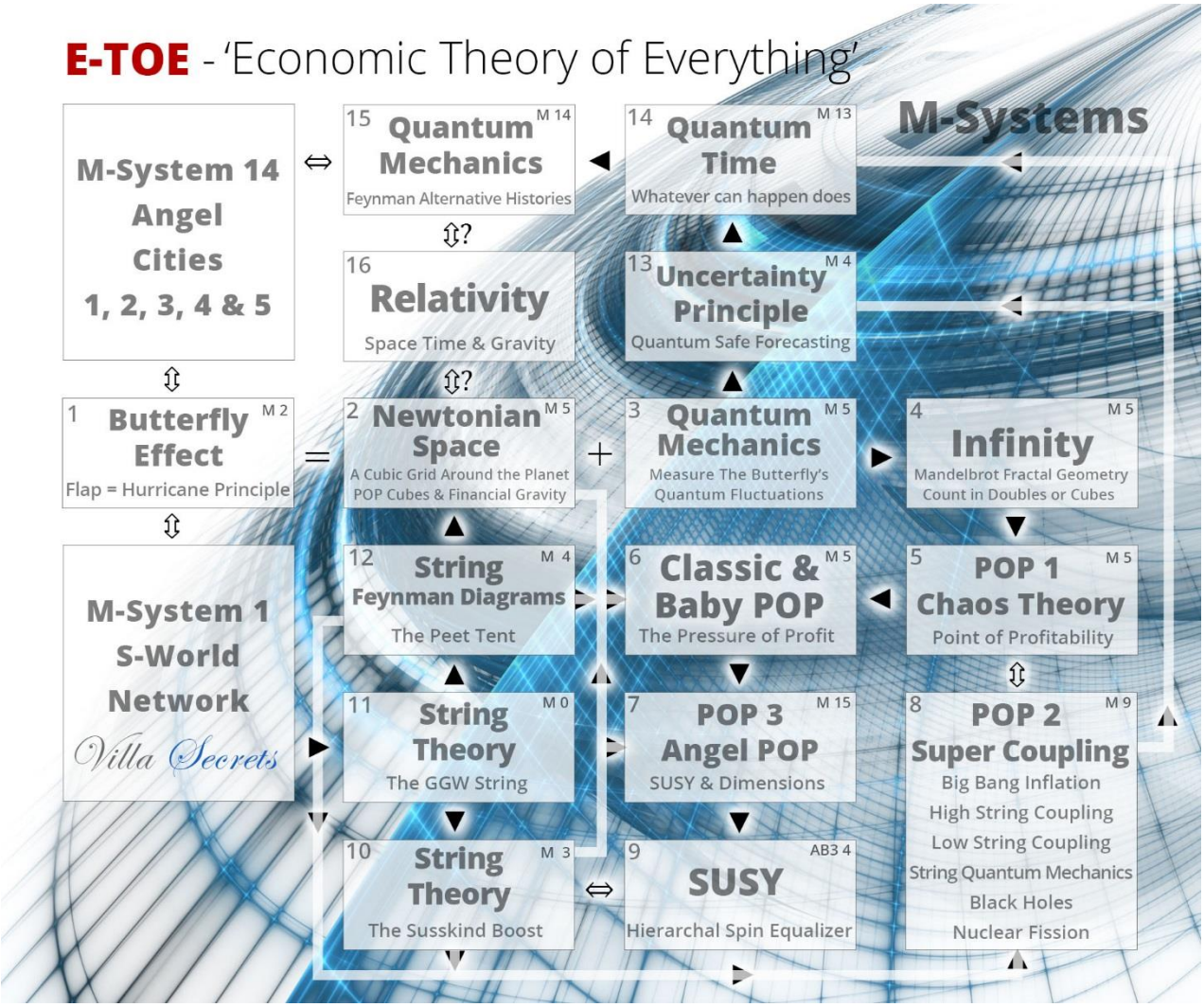


Inspired by Sienna Skye

POP Origins:

The Butterfly Effect and Chaos Theory

Steps 1, 2, 3, 4, 5, and 6.



Chapter 2. Butterfly POP Basics

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 (The E-TOE) was a consideration of 'the butterfly effect' and the saying:

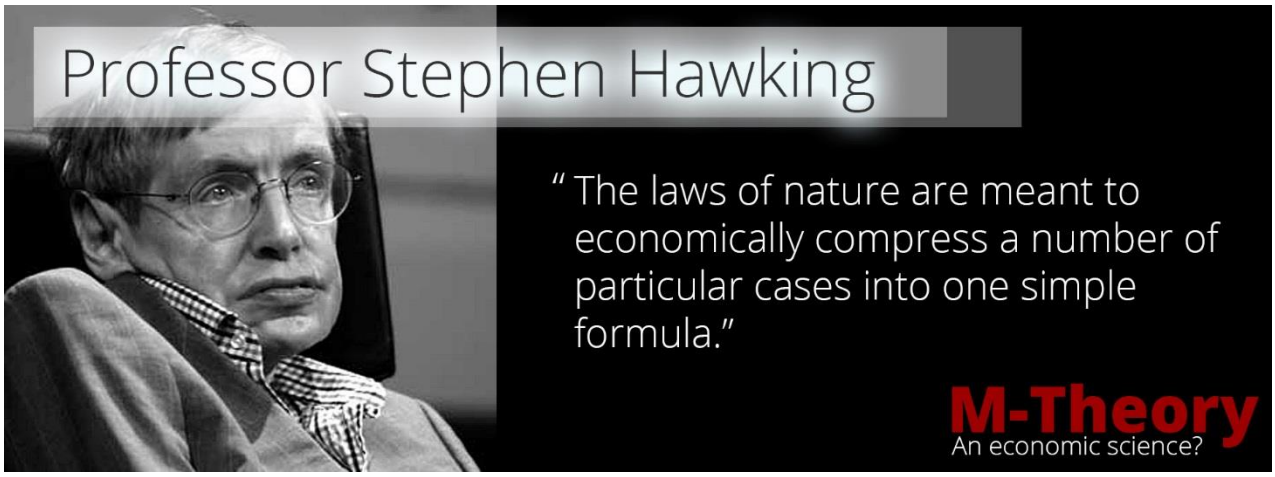
"Can the flap of a butterfly's wings in Brazil create a tornado in Texas?"

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. And the idea of measuring the tiny disturbances was not unlike quantum mechanics, so making this little idea its own '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.



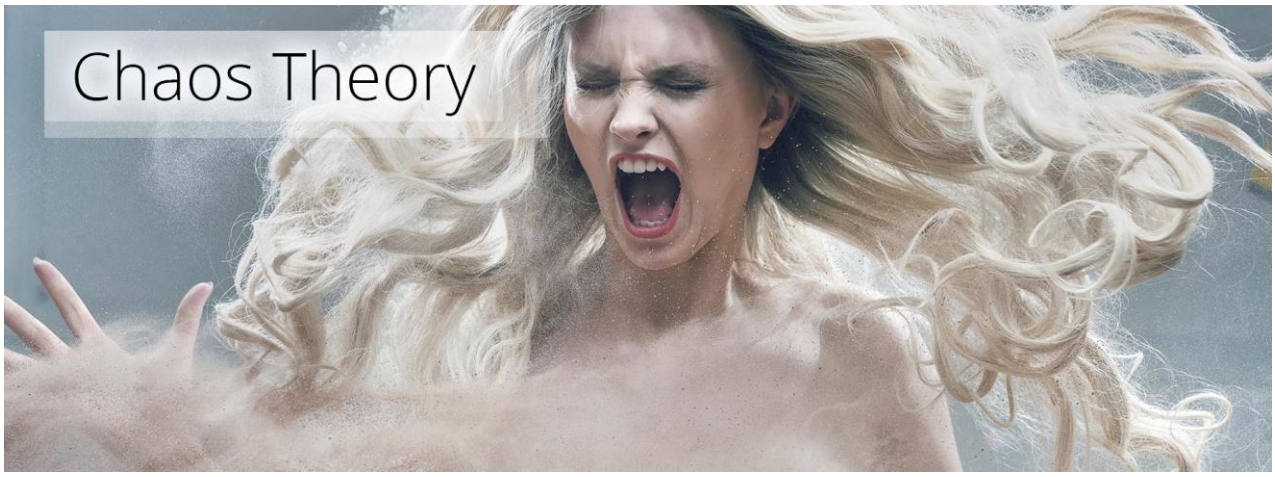
In Professor Stephen Hawking & Leonard Mlodinow's book 'The Grand Design,' a very simple and solid thread for why following the laws of nature, as described by M-theory, would be an advantage in economics is presented:

"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 in the first place.

However, we all have to start somewhere. In terms of the '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.

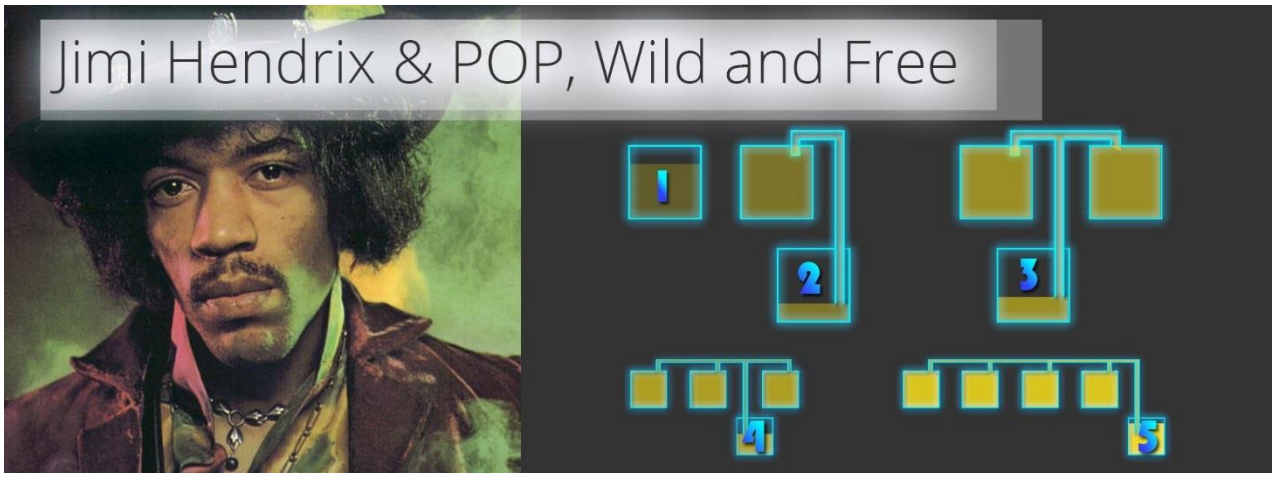
Because of the butterfly effect, even the smallest of inconsistencies could spiral into a tornado and be enough to rule out any kind of long-term forecasting in any complex systems, such as the weather or our economy.

The journey to a solution probably began subconsciously via my 12 years working as a W-30, then Cubase music programmer in the late 80s and 90s, 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 an order applied by the percussion and the compartmentalizing of time by beats, which keeps everything together.

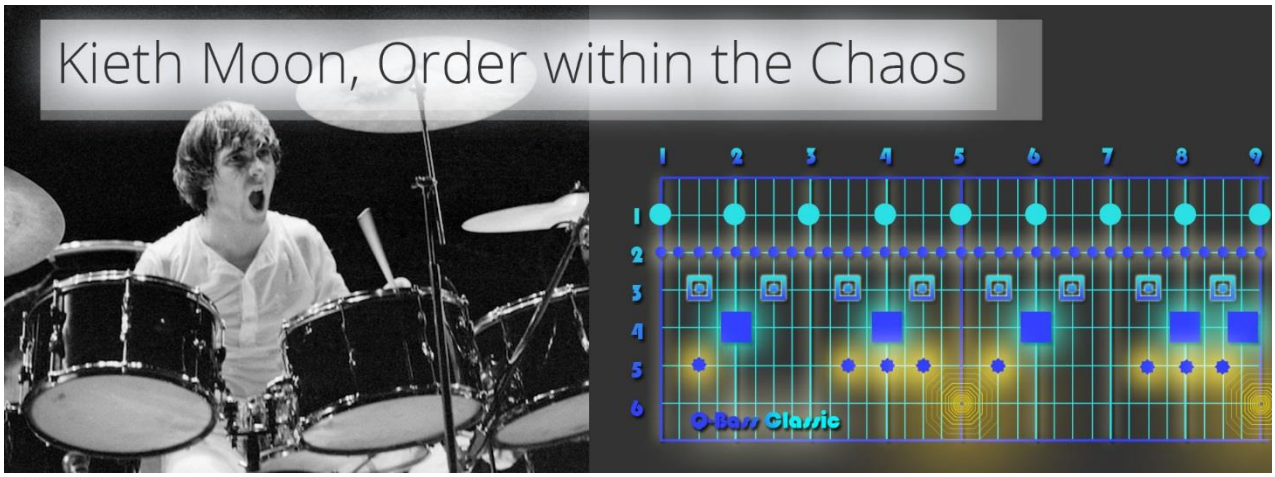


We don't think 'order' when we think about 'The Who's' wild drummer Keith Moon, who would (from time to time) lend my Dad his Bentley and chauffeur to take out dates. But as chaotic as

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.



The POP investment principle follows this pattern, where companies or networks of companies trade wild and free, making as much as they like; but at a certain point of profitability, a line is drawn from which point onwards, the additional profit is invested into a new network, and the proverbial next musical bar begins.

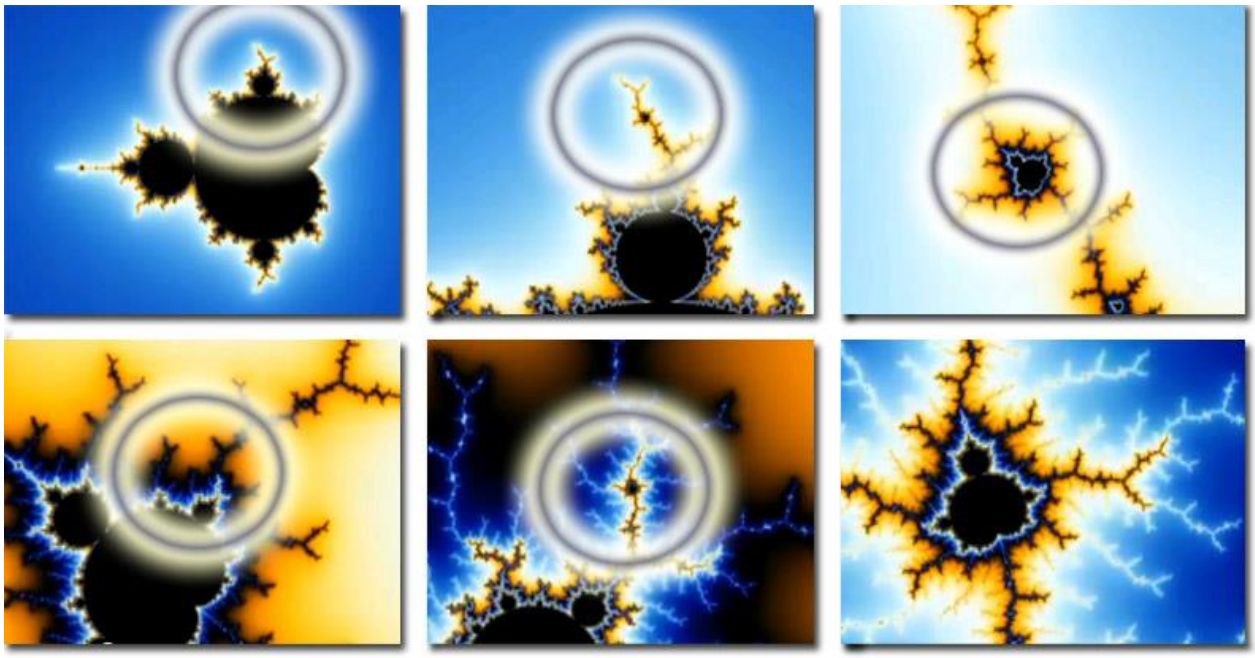
Crazy Equations

Before coming to a conclusion that made sense came a wild ride of a day spent mostly in the 300 Dolphin Bay mountains (Hout Bay, Cape Town) 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 a system made out of many theories and truckloads of ripple effects.

Step 4. The Mandelbrot Set (Oct 2011)

This 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 a very basic idea for 'compatible finite mathematics' which did not try to beat infinity per se, just get close enough to negate its chaotic idiosyncrasies, maybe like renormalization in QCD.

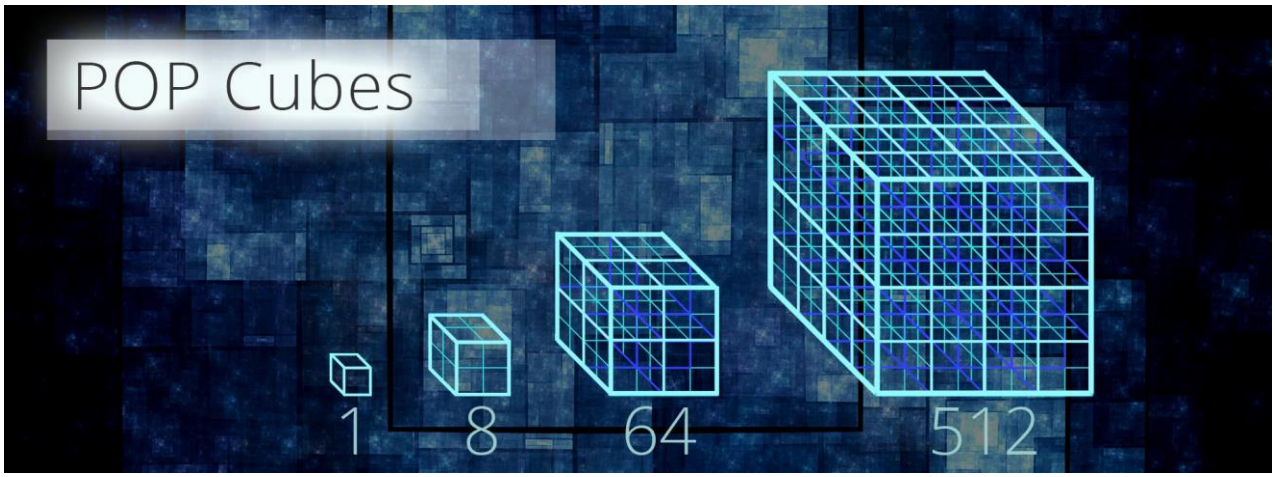
For the original inspiration, see www.S-World.biz/TST/EEE-14Billion_Years.htm (Nov 2011).



The first 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 new companies, networks, or special projects, or often both as macro networks are special projects.

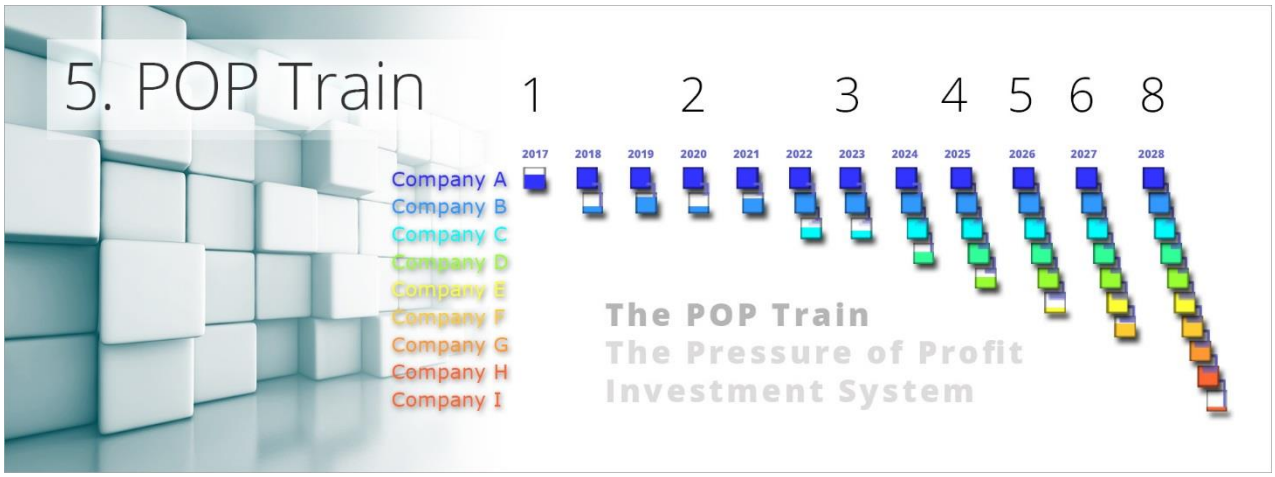
In this case, it did not matter how chaotic the inner workings are, as this company (or set of companies) would be recorded simply as 1. And after, other companies with the same POP point would fit together to make a set of 8 and $10,737,418.24 ($0.01 x 8, ten times), and we count the economy simply 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, then making them double their profit as that is the POP investment, and most complexly making sure they don't fall back, which is the task of the string theory systems: 'The Susskind Boost' and 'The Peet Tent,' told soon within 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.

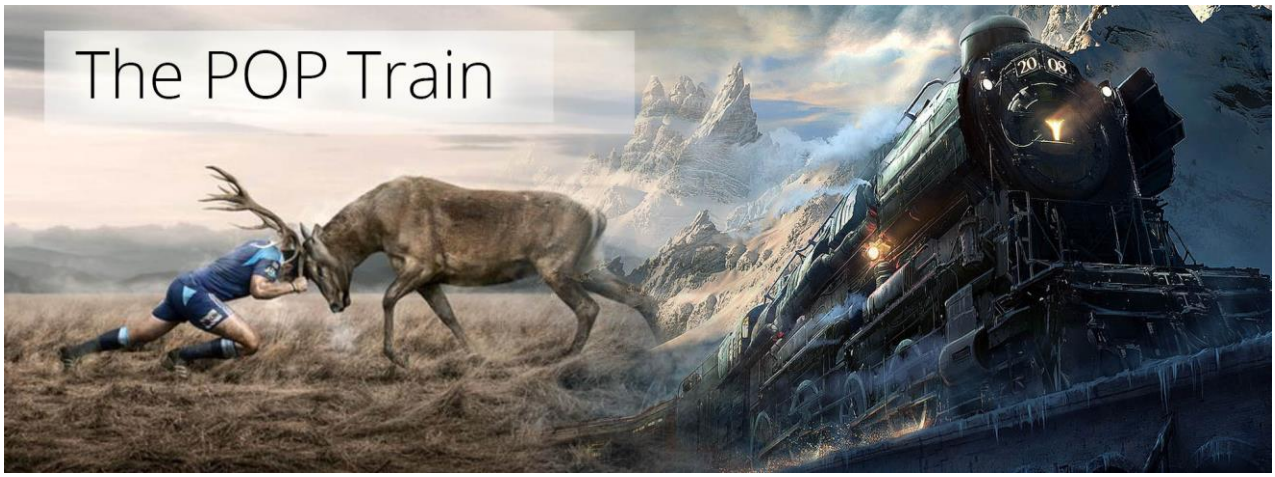
Which as Sir Isaac Newton's theory of gravity is often presented as the universe within a cubed framework eventually took on the name 'financial gravity.'

Step 6 (M-System 5) – The POP Investment Principle – The POP Train (2011)



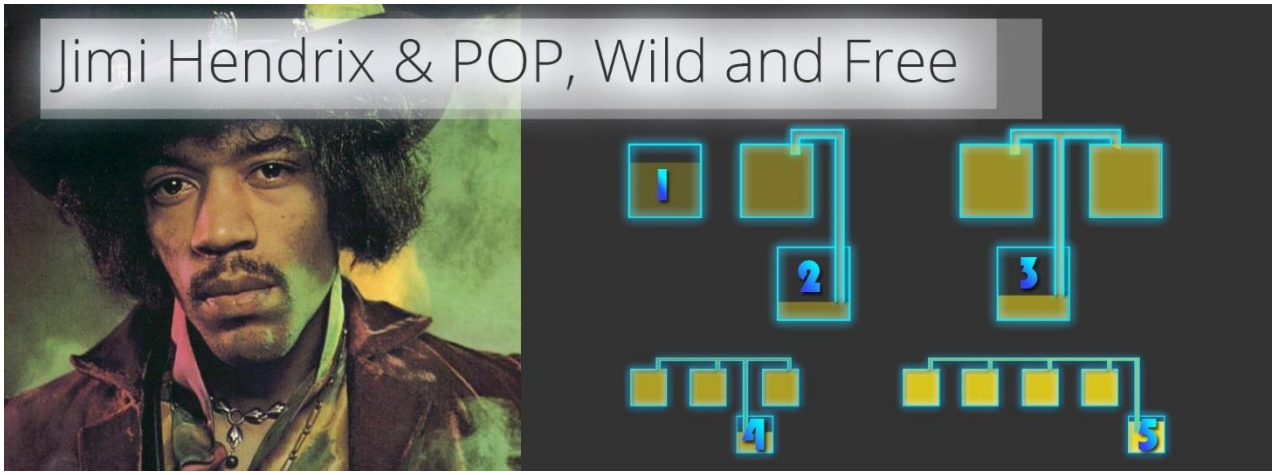
What turned a mathematical curiosity into the mathematics that underpinned the entire project was revealed when making the graphic you see above called the POP Train.

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.



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.

We can see this process on the right of the Jimi Hendrix graphic below; the brighter the gold, the faster 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

It's important to note that for small S-World companies, POP is an investment, not a tax, albeit a long-term investment that the invertor has no control over.

The plan is to make the investor a better than average return over 8, 16, or even 32 years. However, along the way, we may use the money to create Grand Networks, or to sponsor other philanthropic or ecological projects; or in the case of Grand Networks in locations of abject poverty as Grand Networks in locations of abject poverty are both philanthropic & ecological projects.

One simple example would be that via its POP contributions, a company could afford a Villa in one of the Grand Network developments, and for 16 years it was rented, but the money from the rentals went back into the Grand Networks expansion and expenses. However, at the end of the 16 years, the Villa is returned to the company and can be sold; and if all has gone to plan would have increased by much more than inflation.

There are absolutely no promises on POP investment, and it may be best considered as a 'Give Half Back' charity donation that applies when companies do well, that may or may not pay dividends later down the road.

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.

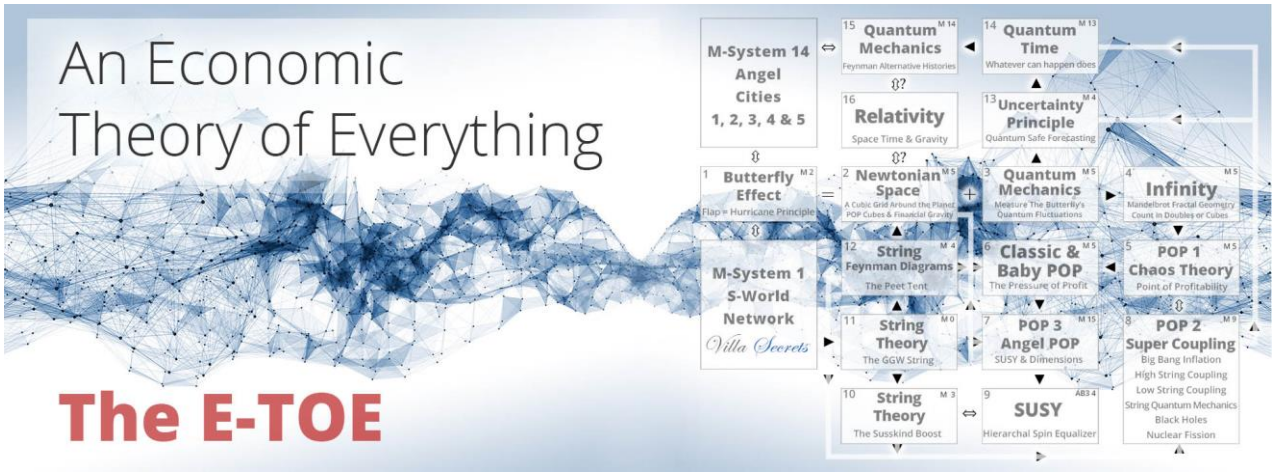
To help fill in the gaps and fuel networks that have fallen behind, we need to move into string theory and skip forward to Step 10: M-System 3. The Susskind Boost.

The E-TOE – Out of Chaos

An Economic Theory of Everything

Chapter 3

By Nick Ray Ball 15th November 2017



Chapter 3: The Network on a String

An Economic Theory of Everything Part 3: How the String Theory Systems maintain the integrity of the Financial Gravity and create Equality.

Inspired by Sienna Skye

Ch 3. Part 1 – String Theory

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

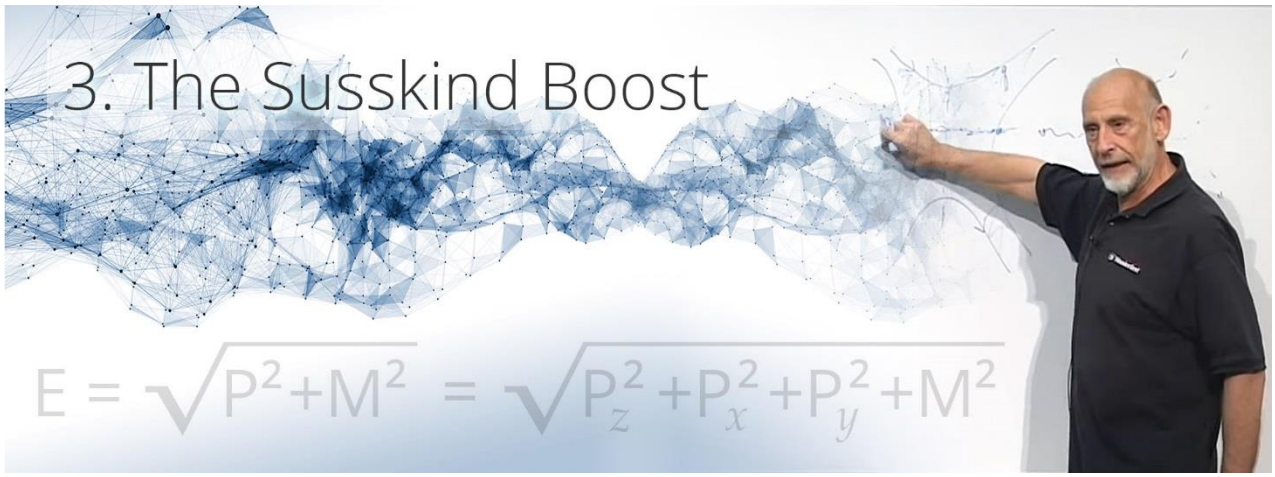
Source: Leonard Susskind-Lecture 1 | String Theory and M-Theory
https://www.youtube.com/watch?v=25haxRuZQUk

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

If there is any particle (company) that is going back 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.

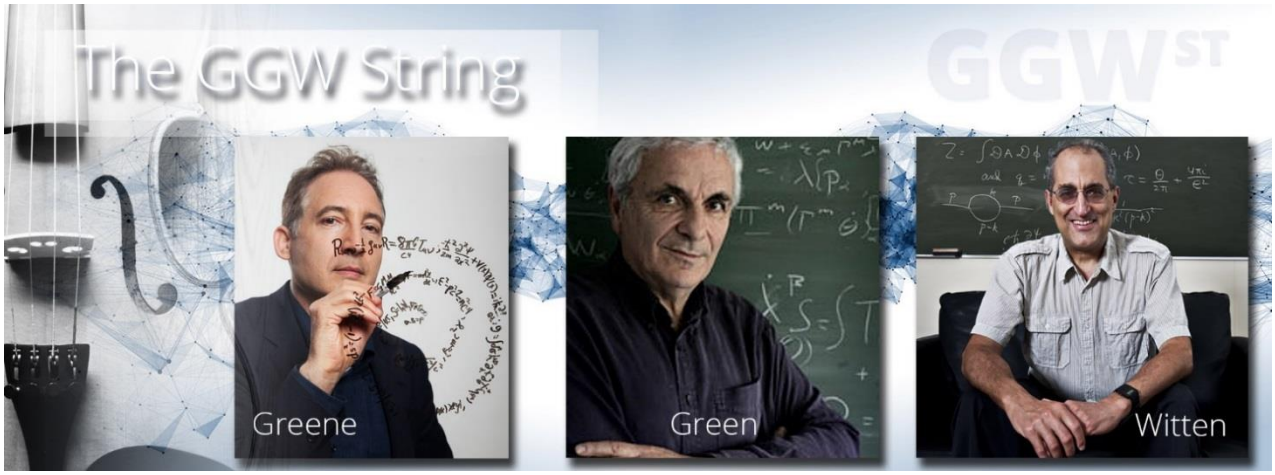


There are tonnes of ways to boost a company's profit without giving direct financial assistance.

Here are some options: T̆ the award of tenders, Ŵ additional websites, C̆ = contracts or mandates, and in addition: 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 boosted further 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 my 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 the 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, a scenario where no one has anything to gain from changing their minds, sometimes a win/win scenario, where one would choose the same outcome regardless of enforcement.

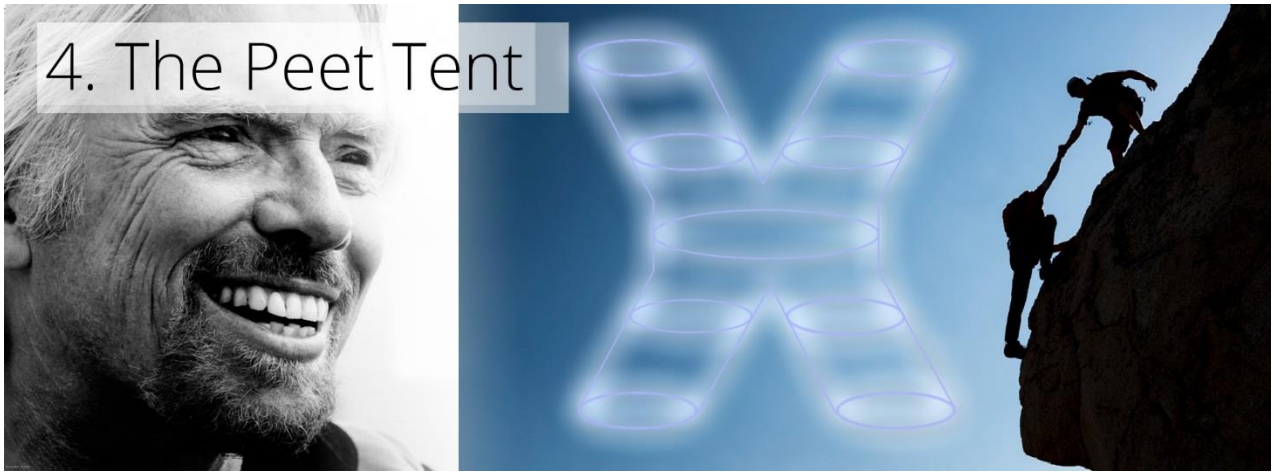
In the case of S-World Villa Secrets and the 2.5% of turnover contribution towards the development of software and the network, this is forecasted to return from 25% to over 100%. So, to make a 25% or more increase from a 2.5% contribution is an action any sane company or individual would choose to make;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

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.

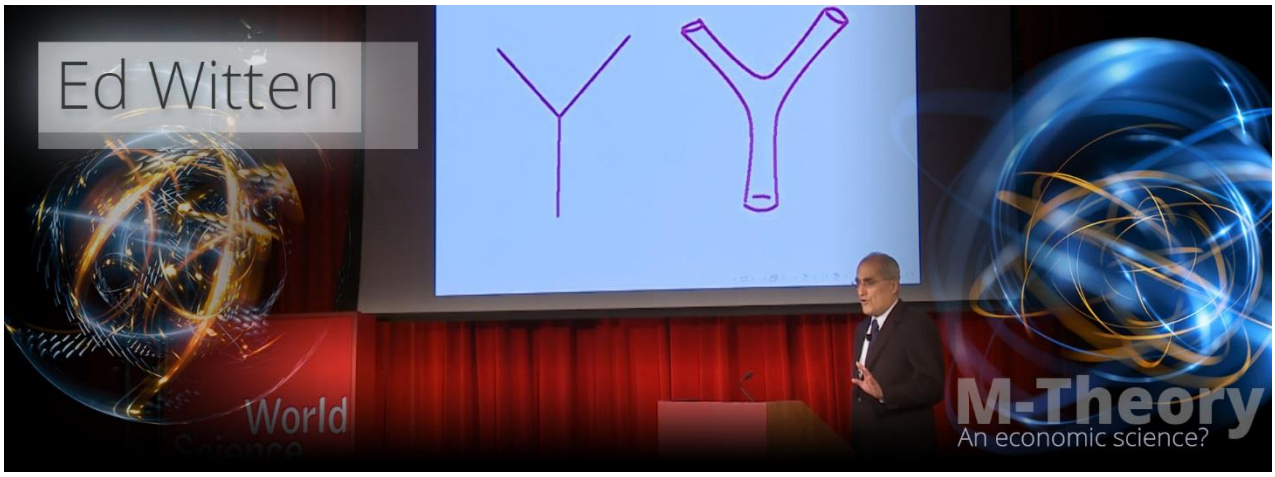
In string theory this is it, the theory of everything; as this is how the jittery and unpredictable results from quantum mechanics unify with the smooth results from general relativity (Einstein's theory of gravity) as they all fit within the string theory Feynman diagram's baggy tent. This is also why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

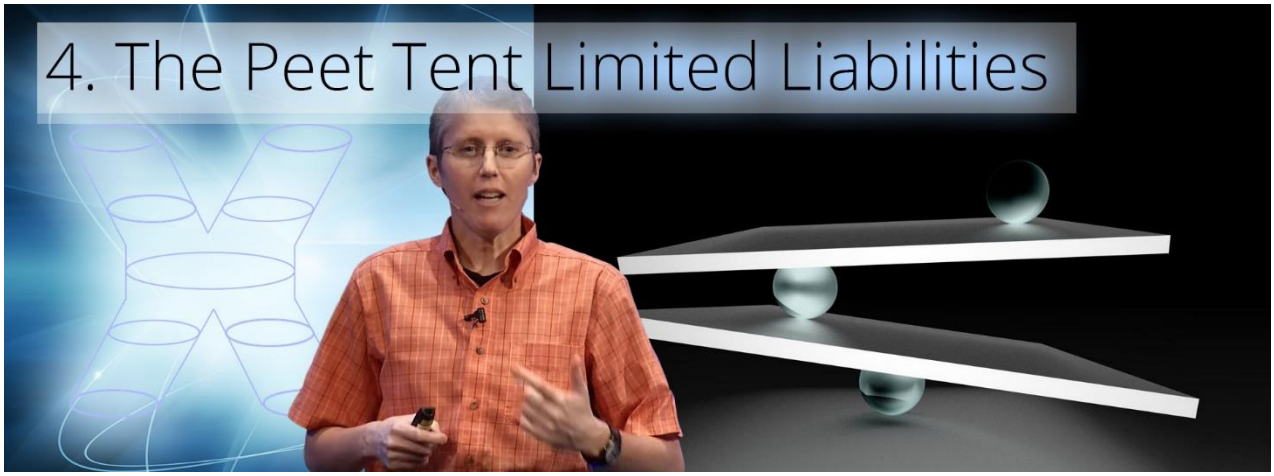
Professor Edward Witten, Standard and String Feynman Diagrams



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

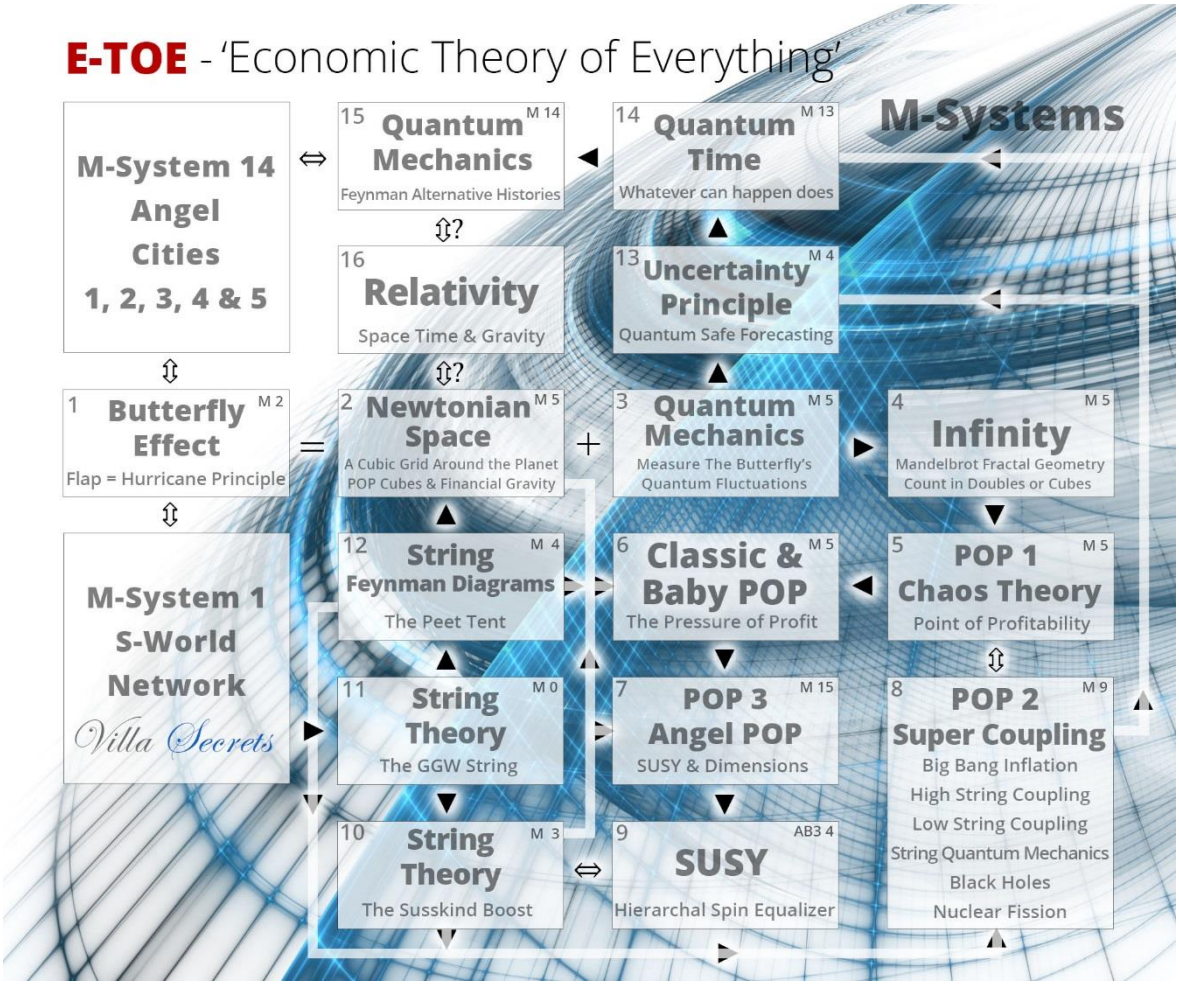
For now, before the system is massive, there are some practical limitations such as provisions against lawsuits that would not have been made if not for the potentially deep pockets of The GGW String, and the many systems of M-System 1 and especially S-World TFS™ (Total Financial System) and S-World 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.



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.'



Ch 3. Part 2 – Baby POP & The POP Train

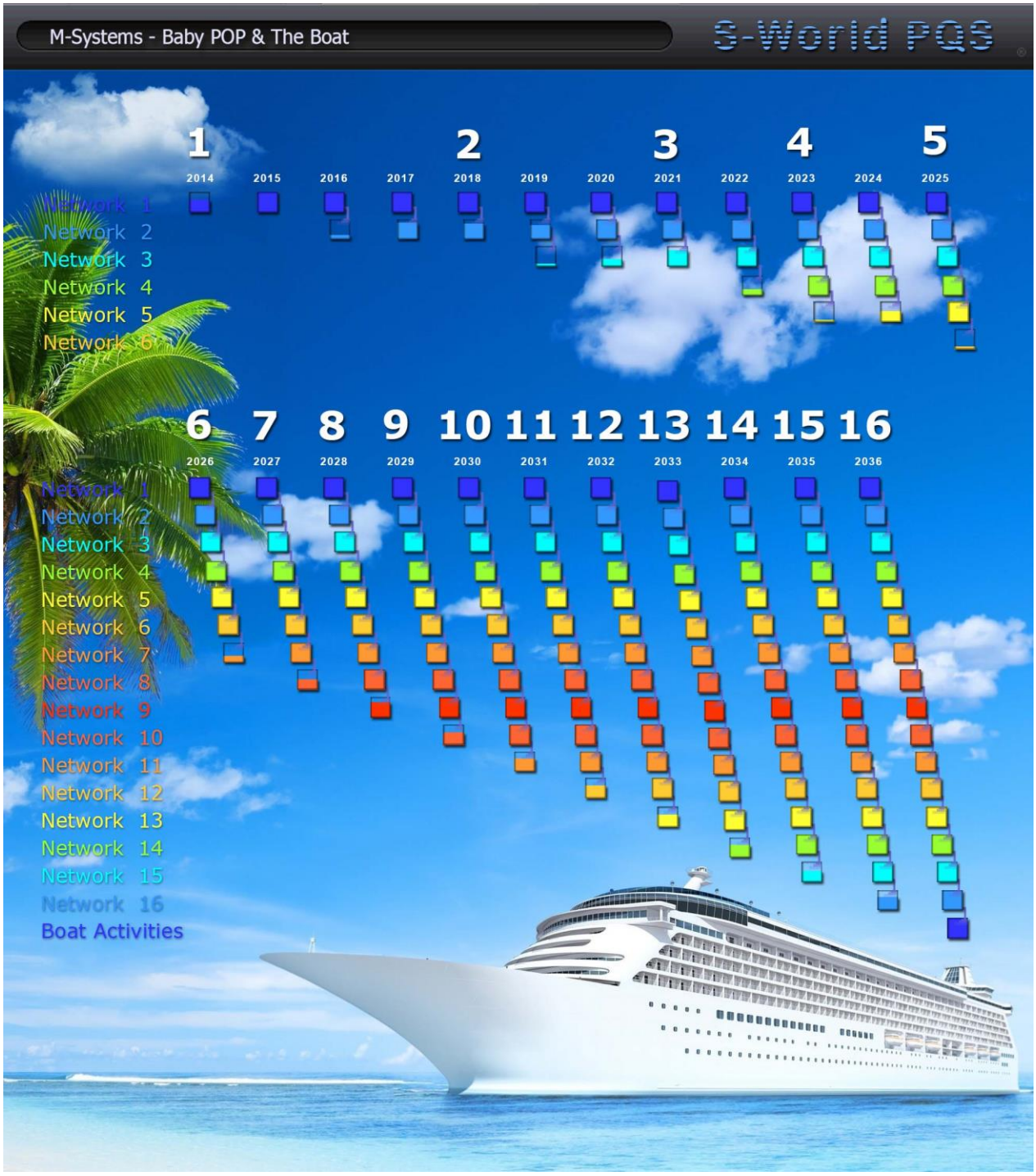
Step 6b (M-System 5) – Baby POP – Grand Networks POP Train & Boat (2012)

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 (circa 2012).

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

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



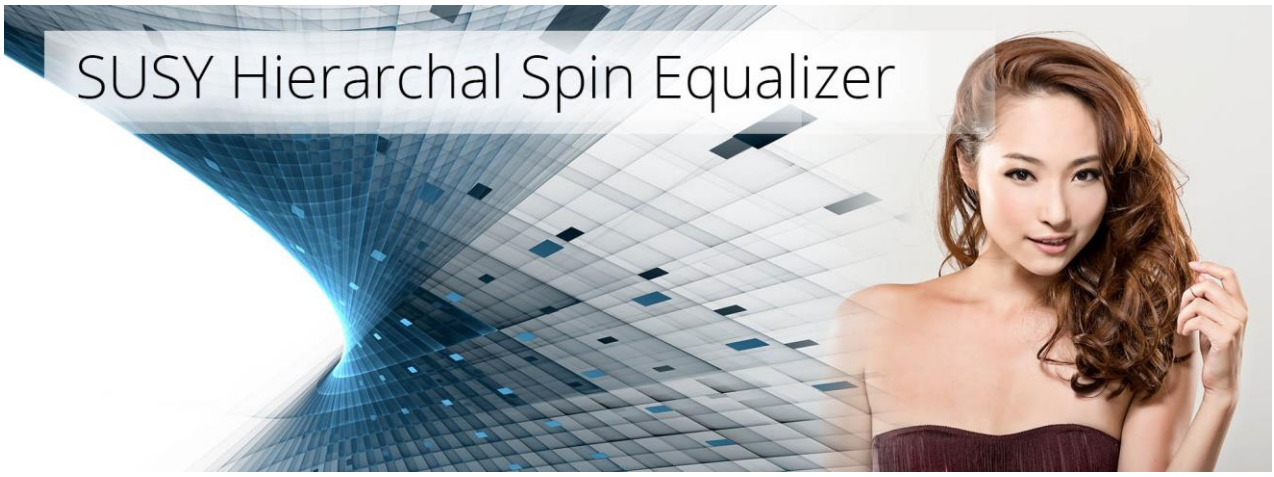
One thing that needs clarification is why is this model seems less explosive than the original, which after the 11th year created 2 new networks per year. The reason for this is in part due to being cautious in our estimations as middle networks have fewer tenders, but in addition, because Baby POP has 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 SUSY or 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.

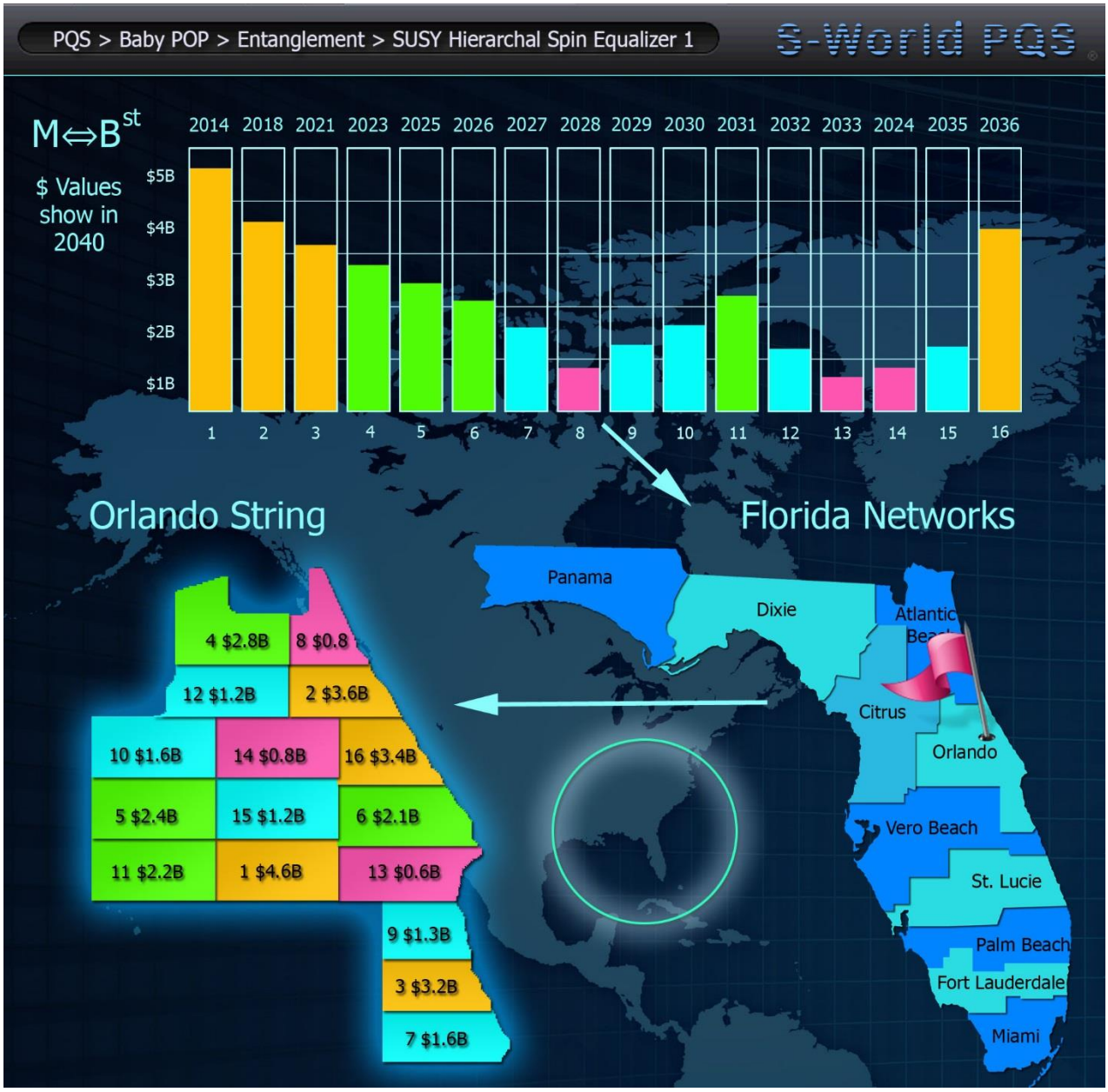
Based on a real-world plot of 9 square miles of land priced at $100million located near Orlando; over 2011 and 2012, a super-grand network was costed, and per Baby-POP method was set to create 15 grand networks. However, when the expected POP profit from all was tallied up, it made for a very unpredictable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

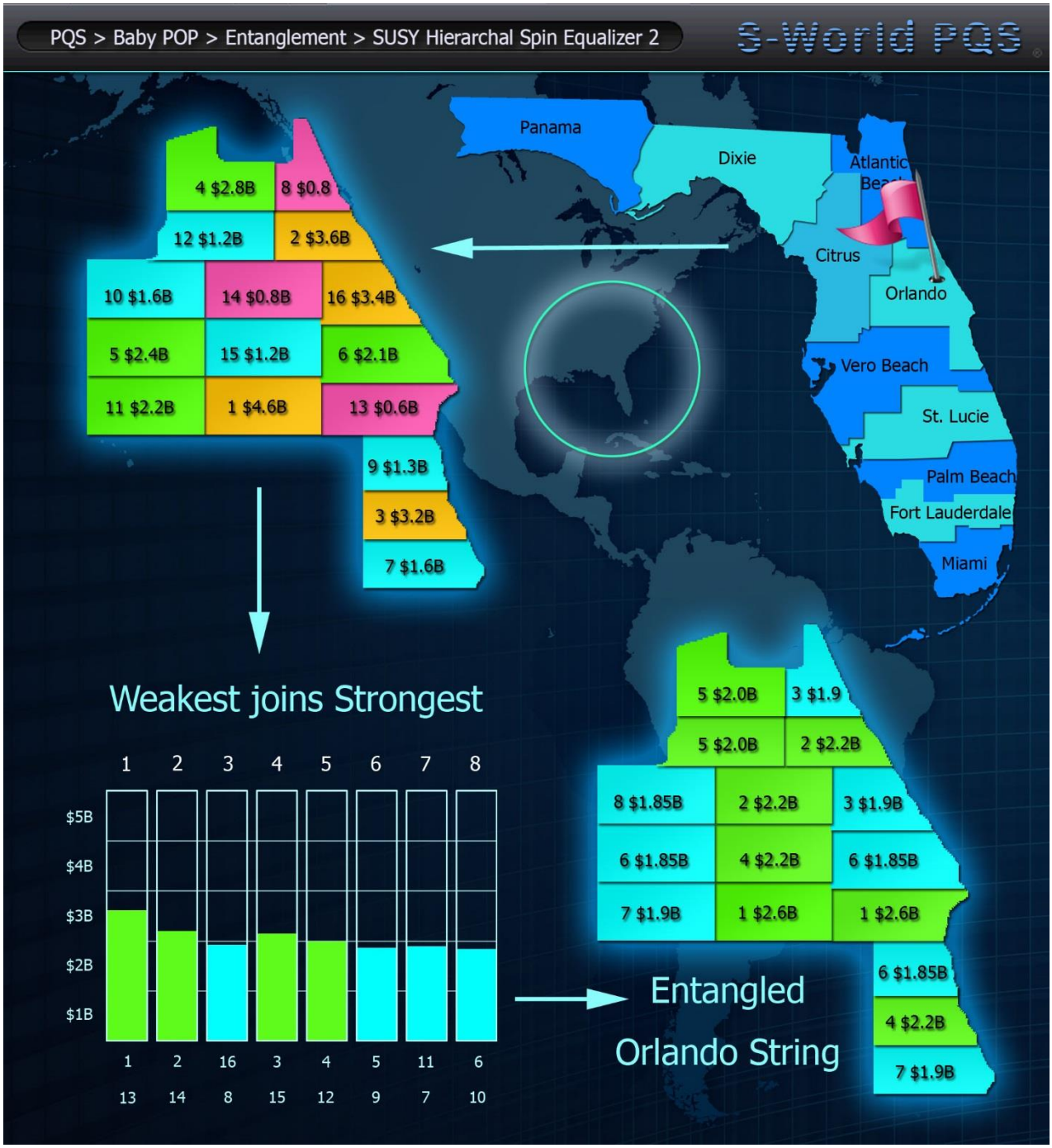


So, from a short video on Supersymmetry; the idea arose that for every particle, there is an equal and opposite particle.

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')



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 instead first invest into 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.

Ch 3. Part 3. Angel POP

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 one or more abject networks.

This system works in 2 ways:

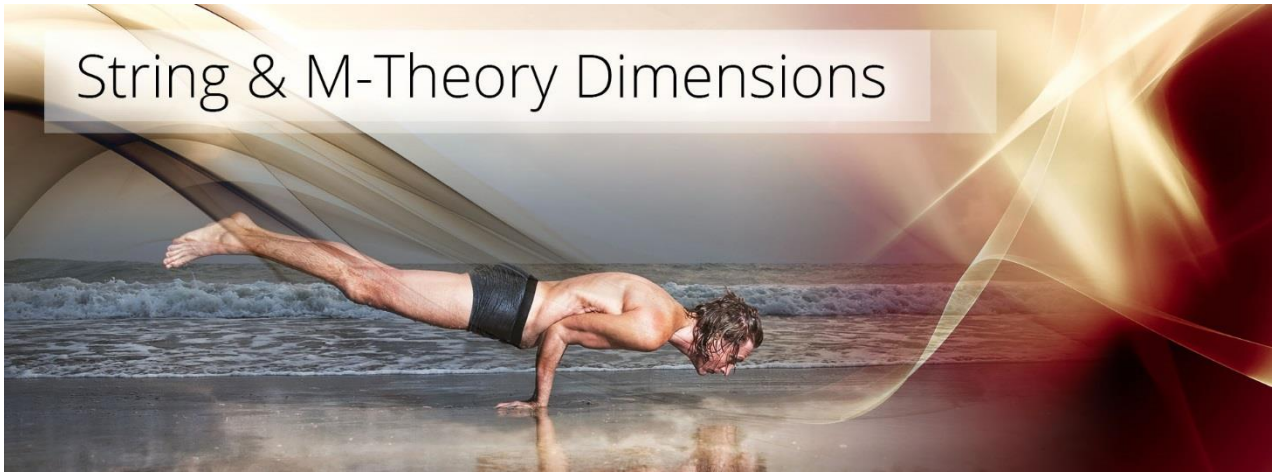
1. Complexly by creating a financial dimension such as 'D8,' where after all 8 continental cubes must be fully invested before any D9 options become available.

   or…

2. Simply by combining the first two networks as we create one in say California and another in say Malawi.

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

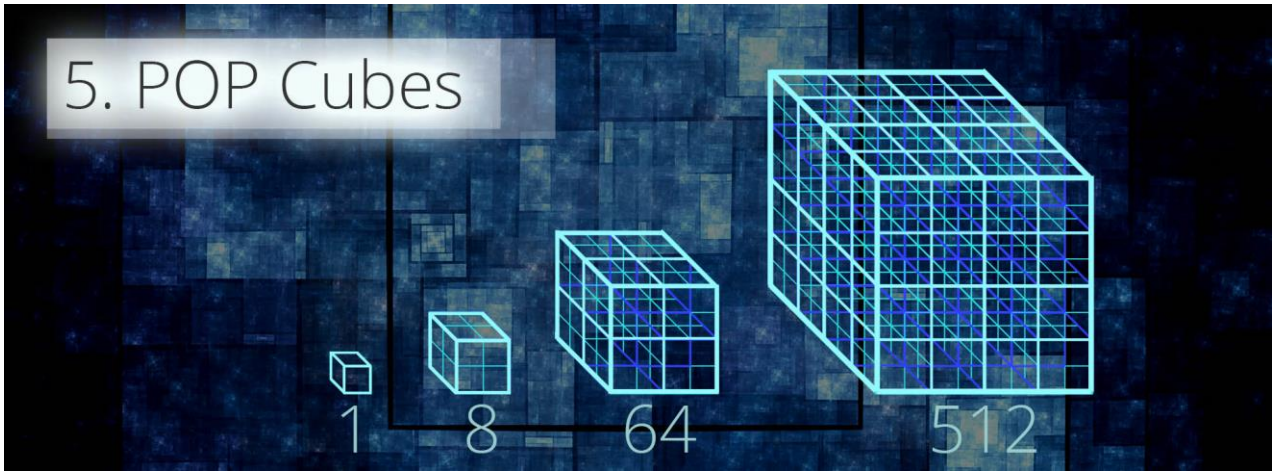
Method 1. String & M-Theory Dimensions



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, live.

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.

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 dimensional cubes make a 3rd dimensional 64-cube, and the 4th dimension is the 512-cube and so on.



Let's see this in practice…

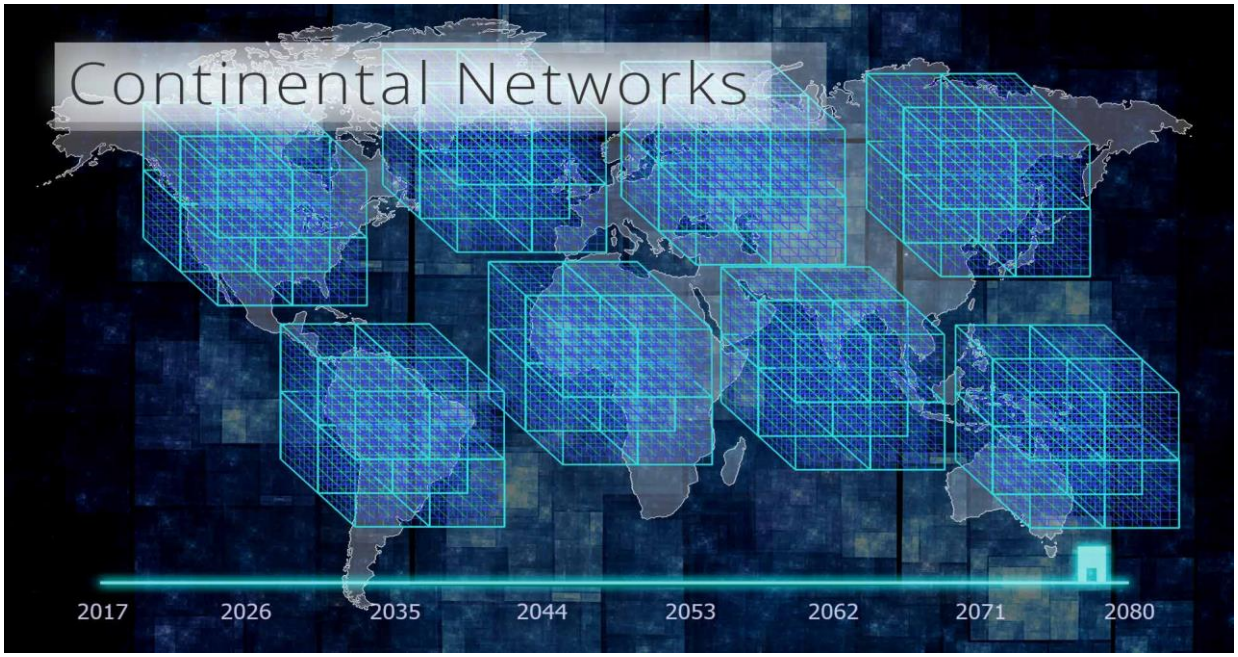
$0.01 > $0.08 > $0.64 > $5.12 > $40.96

>

$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 Continental Cubes / BabyPOP Network (16 Resort Dev's)
$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)

Note that in the same way, we must include the lowest paid company, being D1, where some individuals would for a dollar a day in countries in abject poverty. We must also in D14 account for the maximum market share (being all of GDP) expected in 2080. (Working on an increase in current GDP of 3% a year making $508 trillion, which may be increased (but not inflated) by about 180% due to the majesty of the E-TOE & M-Systems.)

How Angel POP works on a macro scale is to create 8 even continental network cubes and restrict investment into the richer cubes once they reach a specific POP point. 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 (are making more than their POP point), does the next dimension 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 continental networks POP profit channelling into them. And that 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 an investment is generated, any location specified within the current dimension will eventually become a success; and due to this quality of Angel POP, it makes such investments appetising in the first place.

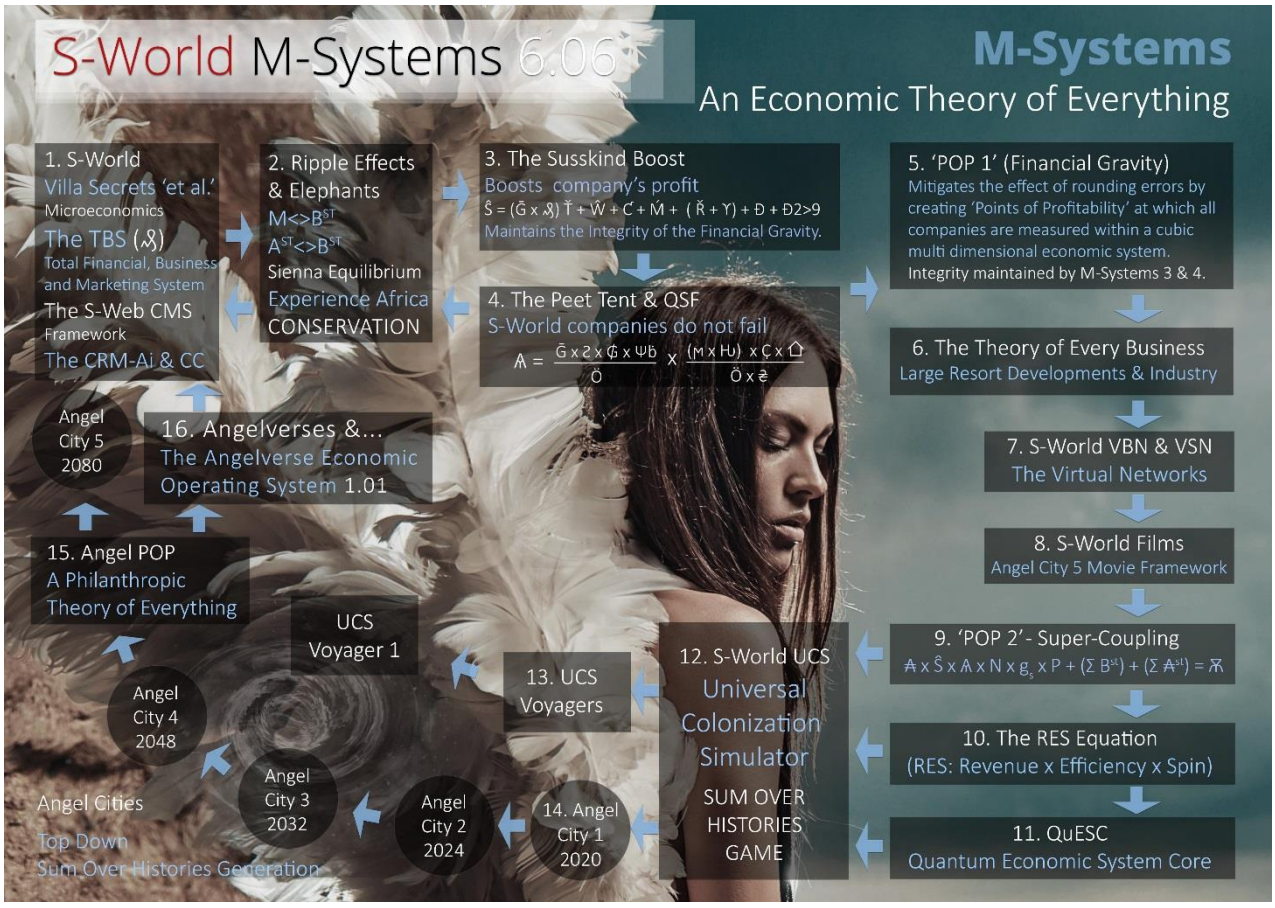
And that's 'Angel POP'

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 is 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.



From a physics analogy perspective, we present a theory in the making '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 $E=MC^2$).

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

When Travelling at 90% of the speed of light, time slows down by about 50%. And if one is at 0.004% of the speed of light 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 (the time it takes to create the network is faster), and at 99% it gets very fast, and at 99.9% its velocity is huge, which completes the Network dimension 'D9' at a record pace, and opens 'D10' despite 25% or so of 'D9' being applied to countries in abject poverty.

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?).

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.

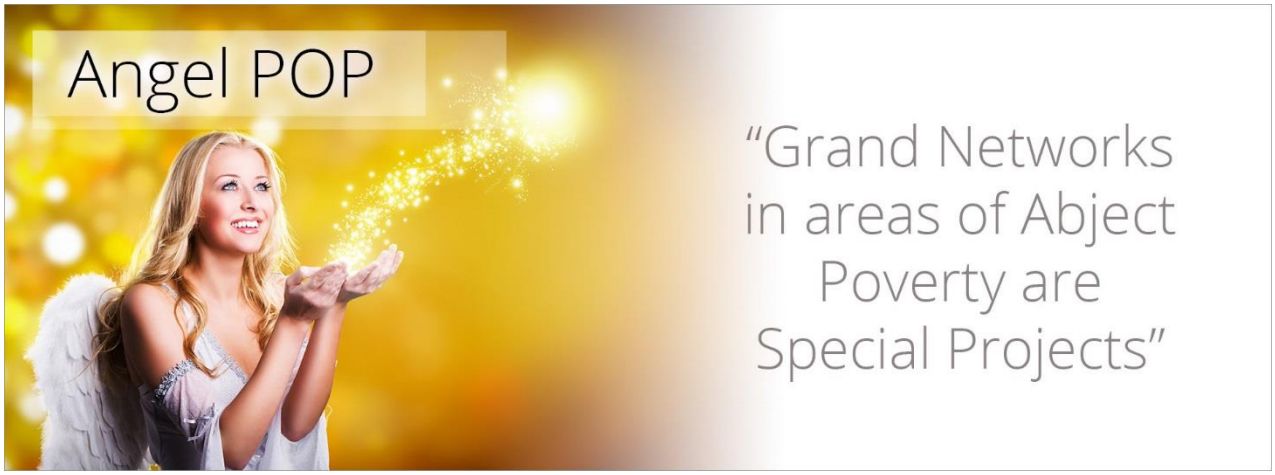
Angel POP Method 2. Twinning (applying a symmetry) to the first two networks

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 is twinned with an undesirable economic opportunity such as a grand network (resort development) in a location in abject poverty such as in Malawi (Lake Malawi).

By creating strong networks of S-World companies in California, starting with Villa Secrets and moving into all real estate and travel then beyond, with each company contributing at least half its POP investment into the Lake Malawi (or other locations in extreme poverty); the stronger we become in California, the stronger our abject network becomes.

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 vision a reality.
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.

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

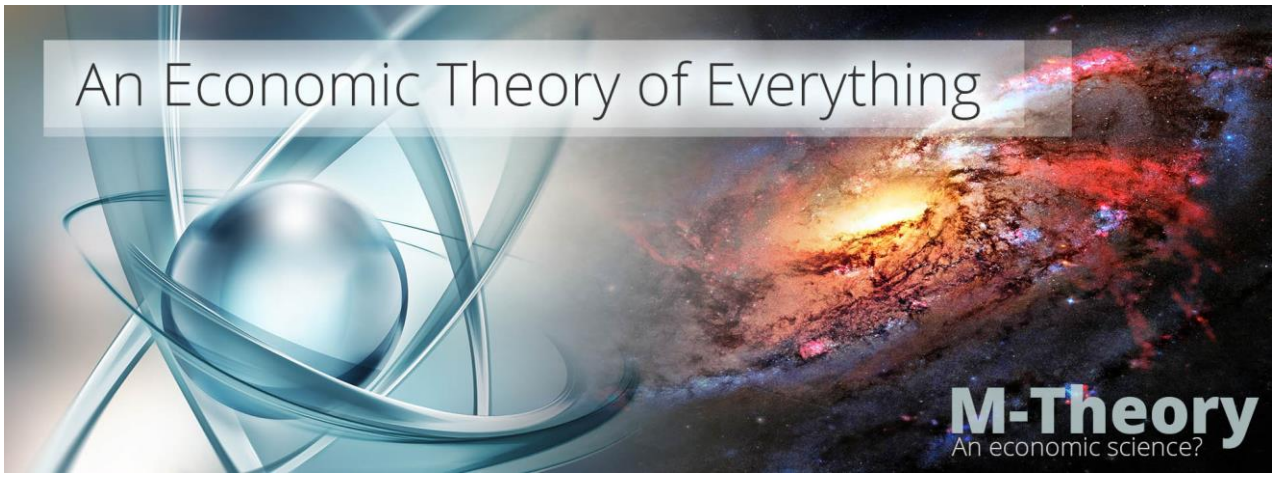
Shortly before writing Angel POP, I was intrigued with Gates' paper in Physics World, 'Symbols of Power,' in which Gates found web browser correcting code within the equations for supersymmetry, the multi-universal theory that was added to string theory to make M-theory.

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).

The E-TOE

An Economic Theory of Everything

By Nick Ray Ball 19th November 2017



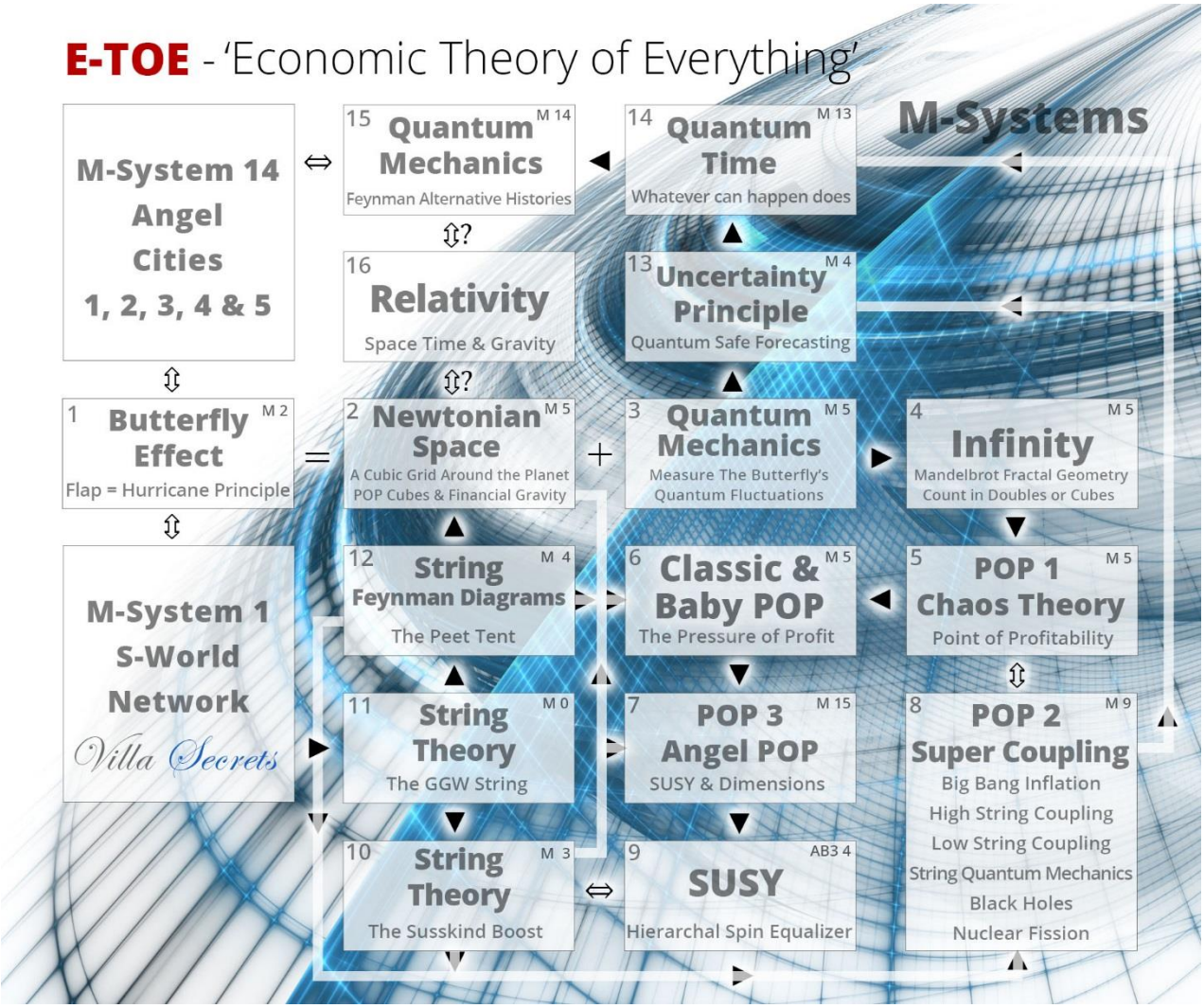
Chapter 4: Super Coupling

An Economic Theory of Everything Part 4: From String Coupling to Nuclear Fission come 1 Billion possible ways for S-World to create a company.

Inspired by Sienna Skye

Super Coupling , Step 8

Big Bang Inflation, String Coupling, String Quantum Mechanics, Black Holes & Nuclear Fission



Step 8 (M-System 9). POP Part 2 – Super Coupling (2016 - 2017)

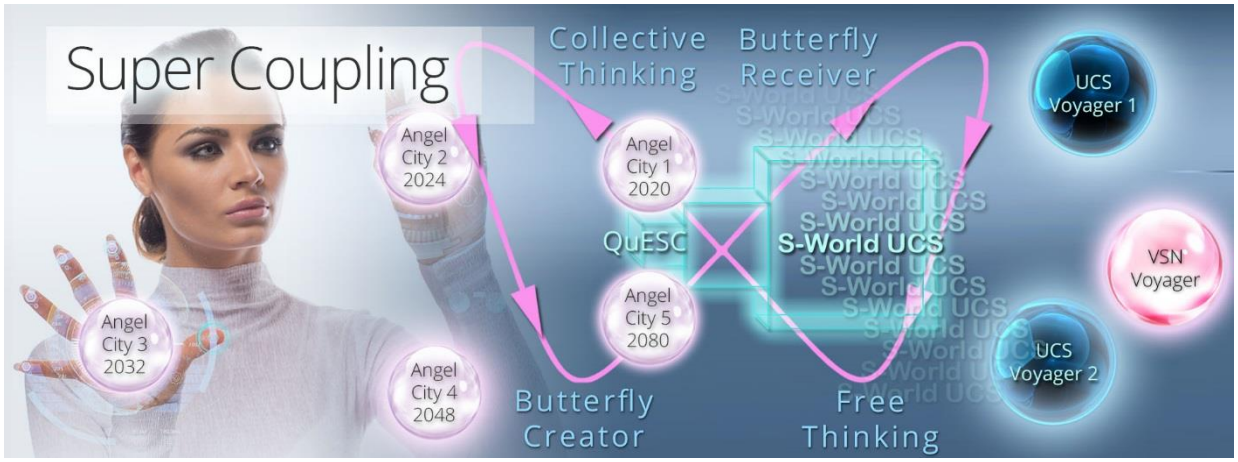
Within this step, we apply an exercise relevant to all M-Systems, but especially M-Systems 2, 10, 11 and 14.

First, the objective is to show that with just one 'D4' standard S-World company and one basic rule, the result is that the S-World 'D4' standard company has the potential to grow and become all S-World 'D14' companies, engulfing the economy before '2080.'

Second, we present how (by having hundreds of millions of ways to form such a company) one

way or another, by the time we get to 2080 and 'Angel City 5, we will have succeeded in our desire to shape the future positively and beneficially.

These hundreds of millions of ways to form S-World companies start their life as targets in the Angel City 5 2080 simulation, and becomes strings of opportunity sent back through time, from which via a process (not unlike renormalization) the results with the strongest probability of success become the first companies we create in our time.



To be sure with ripple effects, the more, the better and the further the time, the greater the number of ripples needed. We initially targeted thousands of ways to send back strings of opportunity and ripple effects through time back from Angel City 5 in 2080 to Angel City 1 in 2020. But because we pushed on past the target, we now have a billion opportunities to work backwards from.

And as a basic rule, we seek to double the number of companies and POP investment each year.

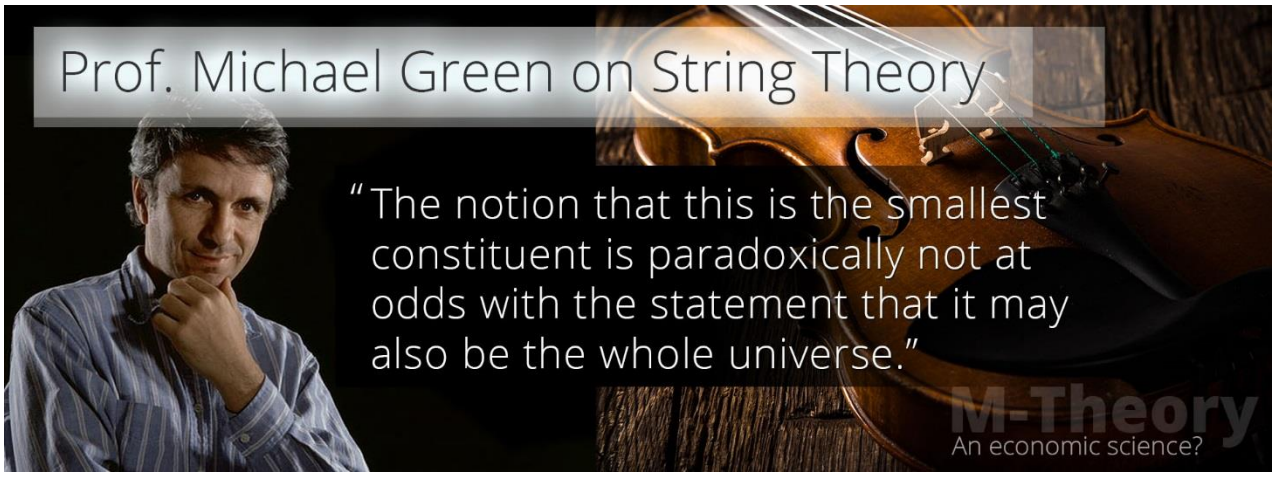
Super Coupling 1.01 – The Hawking-Green Equation

Within this step, we apply an exercise relevant to M-System 2. 'Ripple Effects and Elephants.'

Unlike Baby POP, which is used primarily for big networks of many companies, Super Coupling is a consideration for individual companies.

Originally called the 'Hawking-Green Equation,' as it was considered on a walk whilst listening to

Professor Hawking's 'The Grand Design' while considering Professor Michal Green's string theory conundrum that (essentially) 'a single string could, in fact, be the entire universe,' per the Horizon documentary 'How Small is the Universe.'



"The notion that this is the smallest constituent is paradoxically not at odds with the statement that it may also be the whole universe."

Super Coupling 1.01 is POP without the train, a less rigid variation of the POP investment principle that sees all sorts of different POP investment cubes across the world, investing into what seem like the most lucrative opportunities, but still working with POP points within the cubic financial gravity.

The thing about the 'Hawking-Green Equation,' that was in line with Green's conundrum of how one could create the entire universe from a single string, was the simulation of 'how a single company can engulf the global economy.'

When first applying this as a spreadsheet, it looked massive. And after a few explorations, the math showed that if a single S-World Villa Secrets company (can from its POP) overflow in its 3rd

year onward, create enough POP investment to create 2 new companies per year, and each company it created followed suit; then…

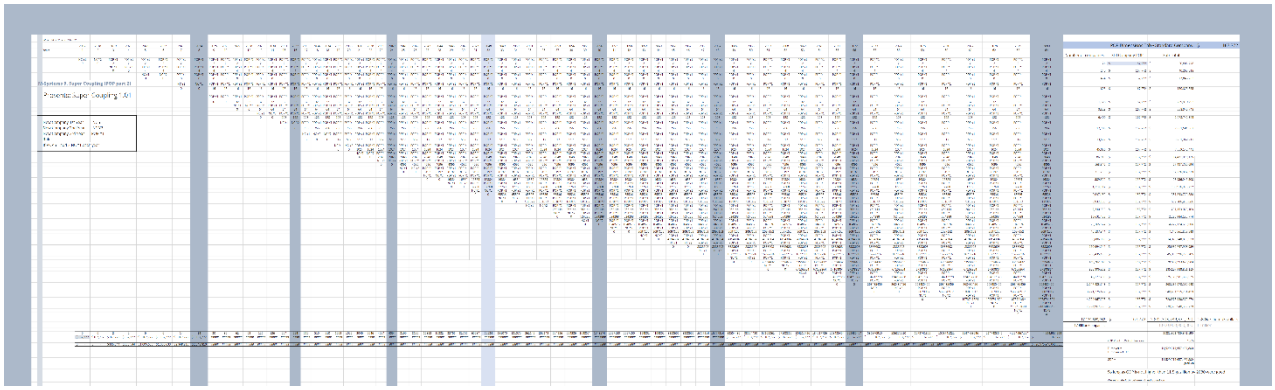
So long as S-World had a solution for every business niche, the network of companies created could engulf the global economy before 2080.

It's important to note that before we created this point, we applied as much effort as has been seen for all 15 other M-Systems into M-System 1 and Villa Secrets. Seen here at www.villasecrets.com and summarised at network.villasecrets.com.

Soon, a long and well-detailed book called 'The Villa Secrets Secret' will be added and then summarised as an individual Angel Theory chapter; which amongst other things shows us that we can create one single company which can create enough investment to create 2 companies in its 3rd year onward, in fact, it could create 4.

POP Super Coupling 1.01 - Spreadsheet - 67 years

The Hawing-Green Equation



This large spreadsheet is made from 15 separate screenshots. To see it in detail, right-click and

download the image. Or to download the original in an Excel file, click here.

The Parameters are:

New Company	1st Year	NC Y1
New Company	2nd Year	NC Y2
New Company	3rd Year	POP Y1

1 Rule Applies
When we see a POP Y1, we add 2 NC Y1's per year. (In the 3rd year and onwards, each company makes 2 new companies.)

Coming full circle, back to my crazy 2011 equation, which leads to the Mandelbrot fractal and POP, the quality of doubling every second year is similar. If one can double every year, or in this case every second year, eventually one will beat and engulf standard economics.

In this example, we start with a single M-System 1. Villa Secrets 'D4' 'Standard Company' with a POP point of $167,772.16 that invests its POP into 2 new companies each year, where after each new company follows suit. And by 2080, this creates over 17 billion potential companies and a potential GDP of 11.5 gazillion dollars, beating a 3% inflated GDP target of half a gazillion in 2080 by 20 times.

Of course, there are a million reasons why it would not work out. However, if you are starting with a billion opportunities, a trillion variables, and a gazillion ripple effects; the probability of success is high.

Since its conception, this system has many physics influences beyond Professor Michael Green's string theory.

At first, as it was so explosive, a big bang inflation simulation was considered; but on examination and in particular, from Professor Hawking, Super Coupling was found to be a lot less explosive than inflation.

So next, care of Professor Edward Witten (whose video is unfortunately no longer online) and Dr Amanda Peet's 'String Theory Legos for Black Holes:' www.youtube.com/watch?v=MlDd2HtFfPU, came the idea of relating it to high string coupling.

At which point, a book containing 10 chapters was written and added to AngelTheory.org:

POP Super Coupling and Angel POP

For Doctor Amanda Peet

By Nick Ray Ball from December 2016 to January 2017

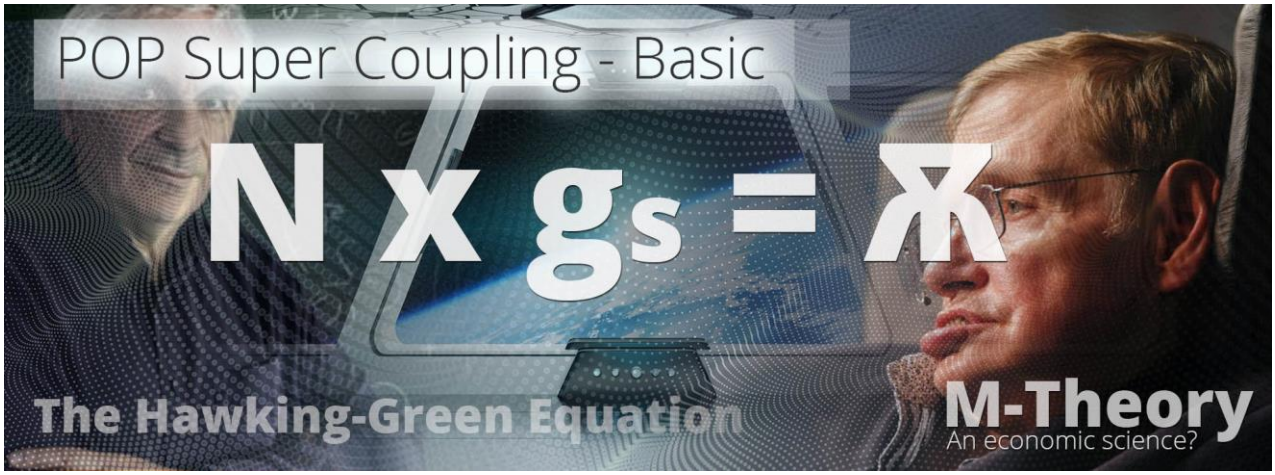
www.AngelTheory.org/m-systems/pop-super-coupling-and-angel-pop-for-dr-amanda-peet-6-01

In which we realise we should not use high string coupling as it has no experimental equivalent. But we could instead consider a low string coupling simulation; where instead of many membranes (which in physics are simplest considered as universes) we simulate many businesses, and the quality that simulates the low coupling strength is the low amount of unmotivated paid by the hour staff vs profit share rewarded stakeholders, which is one of the primary reasons why S-World business are set to be superior in the first place.

Consider, a business of 10,000 staff of which 1% are profit share or otherwise motivated vs an identical network of companies that also has 10,000 personnel, of which 50% are equality owners.

If given equal or superior systems, it is human nature for a large network of small owner-led companies to thoroughly outperform a large company of mostly paid by the hour unincentivized staff.

This 'owner-led' advantage was originally written as the character 'Ɵ' (O line-through) within the original Susskind Boost equation, but has now been converted into the 'gs' within the POP Super Coupling Basic 1.01 equation:



$N \times g_S = Ѫ$

In this equation, the network character 'Ѫ' equals POP investment in the network. The 'N' changes from M-theory 'branes' to S-World 'companies,' and the 'g_s' changes from coupling strength to the amount of motivated vs unmotivated personnel, where a high amount of unmotivated personnel equals a high 'g_s.'

So, for example, a company that is completely comprised of profit share personnel may have a 'g_s' of 1/10; and if so we might increase a projected 3-year forecast by 20%. Then a company with a 50/50 ratio of profit share personnel would have a 'g_s' of 2/10 and no difference, whereas a company of 25% motivated staff vs 75% unmotivated may have a 'g_s' of 3/10 and so we decrease the projected 3-year profit forecast by 20%. Where after the higher the percentage of unmotivated staff, the higher the 'g_s' and the higher the penalty we would apply to a 3-year profits forecast.

At this point, we are only interested in creating companies with a 'g_s' of 3 or less.

This makes a lot of sense, and it is the backbone of why we expect to outperform other business.

And it becomes a very compelling answer to the question: 'How can we advance human potential and promote equal opportunity?' (as both are served by this system).

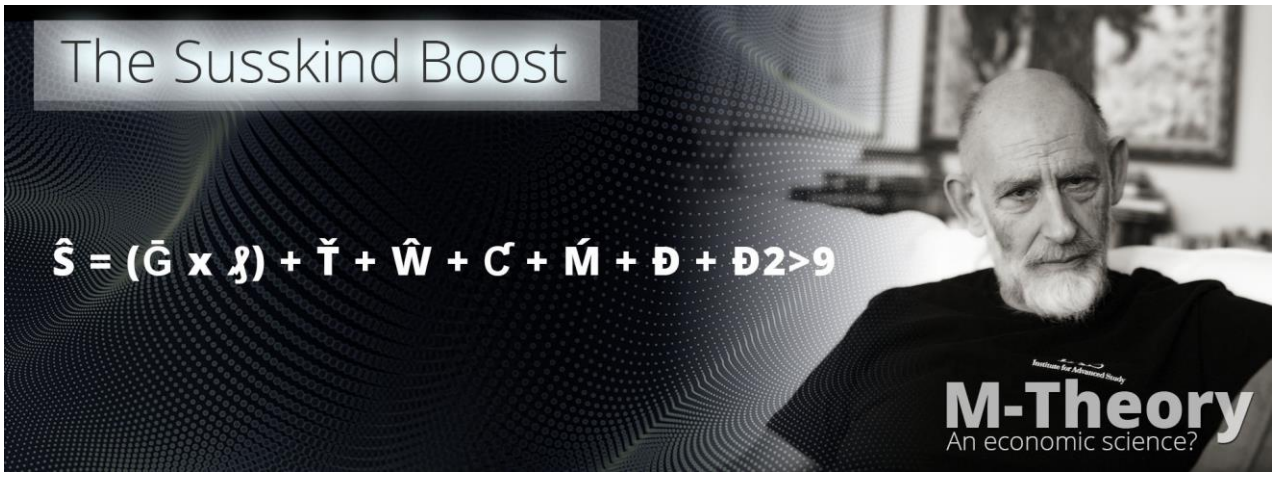
This is why we are approaching the Chan Zuckerberg foundation first, alongside Sir Richard Branson's Virgin Unite.

Thus, we are simply saying the amount of company's 'N' x their 'g_s' (the company's low amount of unmotivated staff) equals their POP investment. However, the equation is not complete as each company POP point needs to be calculated or estimated individually; but as a quick way to make an approximation and see how big this thing can be, the simple 'N x g_s = Ѫ' (network POP investment) will surface at this time.

Next, we add the string theory and the M-Systems that maintain the structural integrity of the POP generated financial gravity:

The Susskind Boost affects and boosts the financial output of all M-System 1's companies. This is its algebraic variable equation

$$\hat{S} = (\bar{G} \times \mathcal{S}) \check{T} + \hat{W} + \acute{C} + \acute{M} + (\check{R} + \Upsilon) + Đ + Đ2{>}9$$



Where $\bar{G}$ = Gross Profit and the (electric s) $\mathcal{S}$ = is the S-World TBS™ (Total Business Systems) which so far for Villa Secrets creates 81 different ways to make money, save money or avoid landmines, many of which are unique.

Where after we add different boosting opportunities: Ť = Tenders or agency contracts, Ŵ = Additional Websites, Ć = Contracts &/or Mandates, Ḿ = The Marketing Multiplier, plus there are newer factors to add such as Ř = higher ROI advertising opportunities, and a (sort of palm tree Y symbol) ϒ = which accounts for network credits being pushed a company's way.

Then from M-System 2, we add the dimension 'Đ' and the $A^{st} \Leftrightarrow B^{st}$ which calculates the ripple effects from other businesses in the local network, and after in Đ2 to Đ9 and beyond we calculate the effects from other strings and ripples in the greater network.

We then see the Susskind Boost as the gross profit of each company multiplied by whatever boosting is applied to it, so adding the 'x Ŝ' (S-Hat Symbol) to the basic super coupling equation.

Making 'N' for the number of companies, multiplied by 'g_s' for the amount of incentivized personnel, multiplied by 'Ŝ' the Susskind Boost boosting profits, equals ⅄ POP investment in the network and special projects.

$$N \times g_s \times \hat{S} \times = ⅄$$

Again, this equation is an approximation as there are many different ways to boost, some like ⅄ (the electric S) (The Total Business Systems) will become multipliers of additional revenue, and others like tenders will be an additional income. Then we follow Professor Susskind's words:

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

If there is any particle (company) that is going back 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.

The Susskind Boost helps maintain the integrity of the financial framework's gravity by keeping the POP points all positive, so 64 out of 64 per cube. But if this is not enough, we call on M-System 0 the GGW-String to provide additional revenue for The Peet Tent to provide additional funding for the Susskind Boost.

Next, we apply M-System 4. The Peet Tent

In general, Ŝ the Susskind Boost is good as an overall multiplier, and A the Peet Tent is good as a good overall limiting variable, for finding areas where the law of diminishing returns applies and other negative factors.

Above we have represented it as a division, albeit in practice one can have a very good Peet Tent, and the A Peet Tent character jumps up to the top line of the equation so…

$$N \times g_S \times \hat{S} \times A = A$$

In 2012, 'The Peet Tent' was first inspired by Dr Amanda Peet's lecture String Theory for the Scientifically Curious in which Peet presents a string version of a Feynman diagram and explains how this makes string theory very economical.

The Peet Tent itself is an idea from a simulation of a String Feynman diagram where there are many places when an event can occur, and this leads to being able to accept the wildly diverging quantum calculations within the smooth realm of general relativity. So, making a quantum theory of gravity and ultimately creating the theory of everything.

We simulate this by creating the network in such a way that any individual company within can have any financial result and still be in the game. If a poor result occurred, we can assign money from the GGW-String (that all contribute to) and boost the company back to health and profitably, maintaining the fabric of the financial network (as all 64 out of 64 companies in each 64-company strong network super cube are exceeding their POP points).

The Peet Tent & Quantum-Safe Forecasting

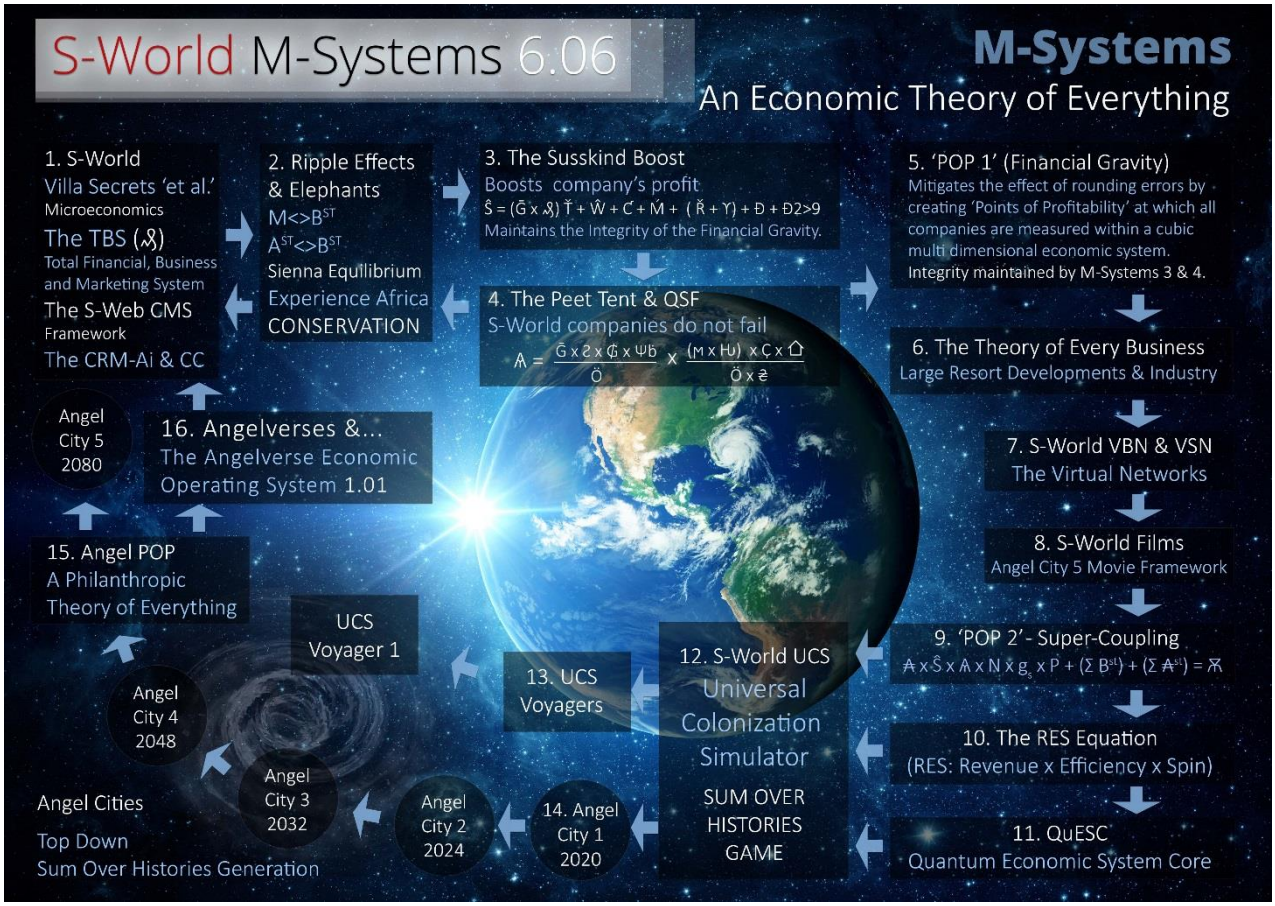
From American Butterfly Chapter 3: 'The Network on a String,' The Peet Tent is a shape of the S-World string that protects companies from failure within the network. Plus, QSF or 'Quantum-Safe Forecasting' borrows from the Heisenberg uncertainty principle, making safer forecasts.

I shall not go into the algebraic math here; other than to say that in the top equation, the first 3 charters are different limiting variables, based on the Heisenberg uncertainty principle where simply by adding limiting variables, we increase the probability of matching or exceeding our POP targets.

And that in the second equation, we primarily look at the advantages and disadvantages of different locations.

This set of equations still needs quite some work, but the principle is that it looks for uncertainties, and only when few are found does it allows an S-World company to be created.

The Peet Tent and 'Quantum-Safe Forecasting' create a worst-case scenario and adjust for different locations, different sized marketplaces, and different base costs. As seen in the next graphic, companies that pass the test move forwards to M-System 5 and beyond, and others move back to M-Systems 3, 2 and 1 to try again.



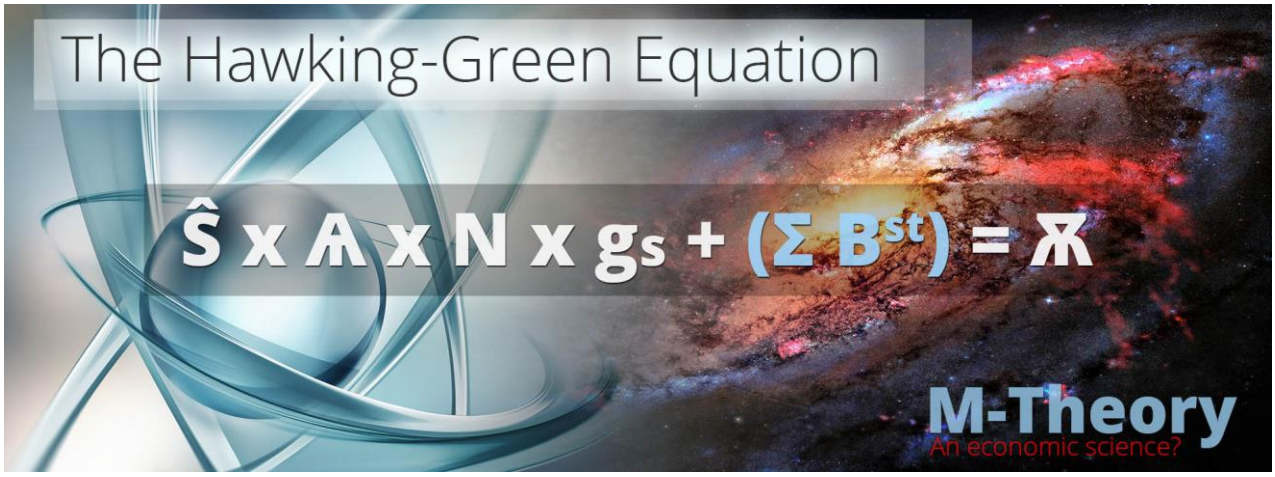
The Sum Over B-Strings

Next comes the sum of POP profit created by all the new companies created by the POP process.

For this, we present new companies created as '$B^{st'}$ from my simple 'Mother and Baby String' equation M<>B^{st} '(pronounced 'the M and B string,') which was the foundation for M-System 2. In which 'M' is the mother company or network and 'B' being the baby produced and 'st' is the extended family, where the back and forwards arrows <> are the iteration created between the family unit.

This equation was later more practically adapted to A^{st}<>B^{st} (A string B string) which seeks to calculate the advantageous ripple effects of one company on another, and after on all companies on each other.

The Hawking-Green Equation



$$\hat{S} \times A \times N \times g_s + (\Sigma B^{st}) = R$$

The Susskind Boost x The Peet Tent x the number of companies x the number of incentivised personnel vs unincentivized personnel + the sum of the output of all companies created by the POP process = Network POP investment.

Again, much like the other variables, there are different ways to apply the benefits of new companies contributing POP and the '$\Sigma B^{st'}$ (sum over B-Strings) is again an approximation.

This was the Hawking-Green Equation in full, which created the symmetry in business to Professor Michael Green's statement on strings:

"The notion that this is the smallest constituent is paradoxically not at odds with the statement that it may also be the whole universe."

As one single company using this POP method could engulf the entire economy.

'P' for Momentum

Next, we need to include 'P' for momentum, being the effects of PR, Branding, Brand associations, S-World Film, the Famous Concierge, and other exercises that increase demand for S-World products due to the public's love of the brand; which considering S-World is, in essence, a progressive charity bent of changing the future of the human race to a more desired outcome, can be very significant.

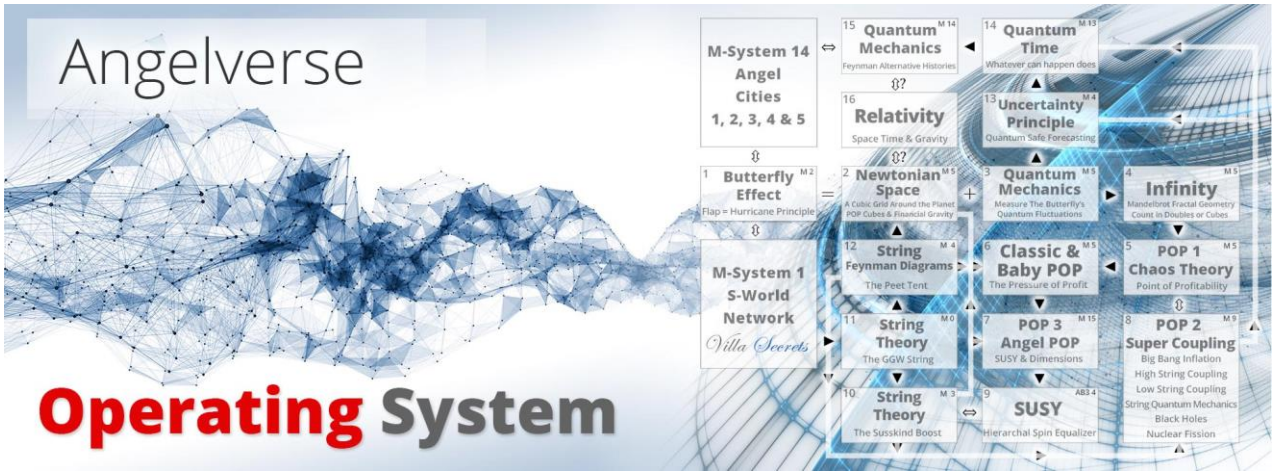
$$\hat{S} \times \not{A} \times N \times g_s \times P + (\Sigma B^{st}) = \not{\pi}$$

Our decision to include branding expert Sir Richard Branson in our first company approach is a testament to the respect we have for the branding opportunity that S-World can seize.

If the product and company are very popular, it will, of course, increase the momentum of the network. This is basic supply and demand; the more popular the product, the greater the demand.

The Angelverse Operating System

M-System 16.



The Angelverse Operating System is for big companies & foundations that have been licenced to create S-World companies. For instance, in the Villas/vacation rentals industry on Facebook, Twitter and LinkedIn, there are hundreds of thousands of villa-related companies and venues.

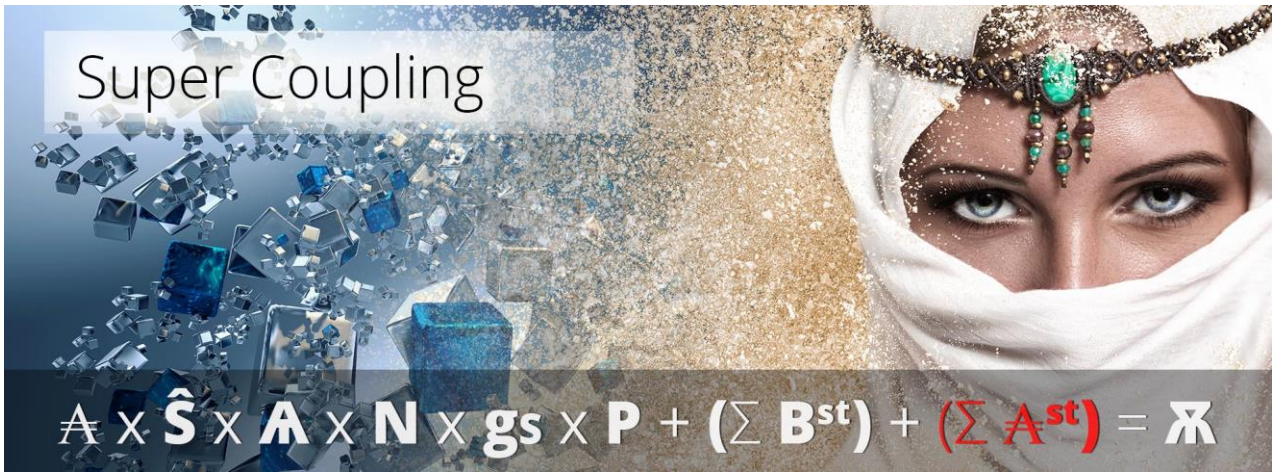
S-World provides Angelverse Operating System licences for big companies & foundations to recruit their member's &/or clients to S-Worlds' Systems.

This then becomes the beginning of the equation…

$$\cancel{A} \times \hat{S} \times \cancel{A} \times N \times g_s \times P + (\Sigma\, B^{st}) = \cancel{\Pi}$$

Angelverses

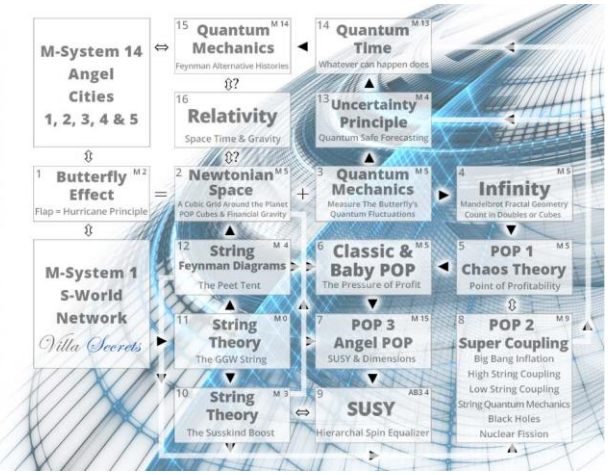
Lastly, again within M-System 16, we have Angelverses which are medium and big companies wishing to create S-World companies and/ or adapt their existing companies to the network and the E-TOE, so creating another Sum over addition. Sum over all Angelverses.



$$\cancel{A} \times \hat{S} \times \cancel{A} \times N \times g_s \times P + (\Sigma\, B^{st}) + (\Sigma\, \cancel{A}^{st}) = \cancel{\Pi}$$

Angelverse Operating System Recruitment x The Susskind Boost x The Peet Tent x Number of Companies x Number of Incentivised personnel + the sum of the output of all companies created by the POP process + The sum of all Angelverses = Network POP investment.

Angelverse
Operating System


M-System 14
Angel
Cities
1, 2, 3, 4 & 5
15 Quantum Mechanics M 14
Feynman Alternative Histories
14 Quantum Time M 13
Whatever can happen does
16 Relativity
Space Time & Gravity
13 Uncertainty Principle M 4
Quantum Safe Forecasting
1 Butterfly Effect M 2
Flap = Hurricane Principle
2 Newtonian Space M 5
A Cubic Grid Around the Planet
POP Cubes & Financial Gravity
3 Quantum Mechanics M 5
Measure The Butterfly's Quantum Fluctuations
4 Infinity M 5
Mandelbrot Fractal Geometry
Count in Doubles or Cubes
M-System 1
S-World
Network
Villa Secrets
12 String Feynman Diagrams M 4
The Peet Tent
6 Classic & Baby POP M 5
The Pressure of Profit
5 POP 1 Chaos Theory M 5
Point of Profitability
11 String Theory M 0
The GGW String
7 POP 3 Angel POP M 15
SUSY & Dimensions
8 POP 2 Super Coupling M 9
Big Bang Inflation
High String Coupling
Low String Coupling
String Quantum Mechanics
Black Holes
Nuclear Fission
10 String Theory M 3
The Susskind Boost
9 SUSY AB3 4
Hierarchal Spin Equalizer

How many Companies?

Now, we see how many different ways there are on founding an S-World company.

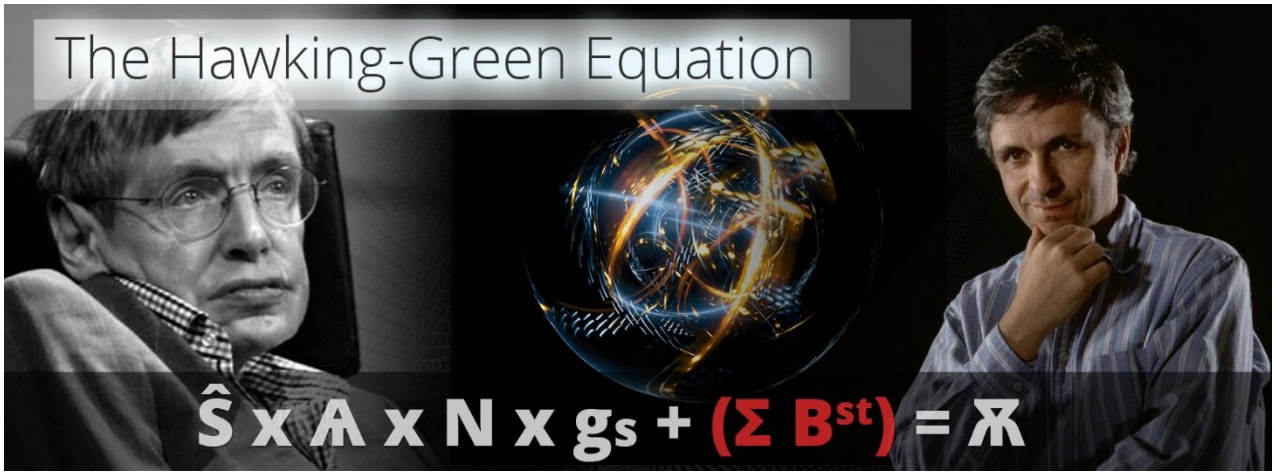
We start with the basic equation plus The Susskind Boost & The Peet Tent.

$$\hat{S} \times \text{A} \times N \times g_S = \text{A}$$

To apply numbers to it, first, we consider that S-World Villa Secrets can/will create a network of more than 64 primary networks by 2021, each being 8 different companies; where after the primary network and/or Angelverse licensors recruit an addition of more than 56 smaller local companies creating more than 4,096 individual companies.

If we add S-World VSN™ to the famous film & concierge department and make the company types: S-World Flies, Top End Real Estate, High-End Real Estate, S-World Holidays, Experience Africa Safaris, S-World Hotels, and S-World Business Travel; we could think to increase the 4,096 companies up a cubic dimension (which is simply to multiply by 8, so 4,096 x 8 = 32,768 companies).

However, for now, we shall save this potential and consider it part of the (ΣB^{st}) 'Sum Over B-Strings.'



Next, we create the Hawking-Green Equation by adding the step (ΣB^{st}) 'Sum Over B-Strings' that was used to see a single 'D4' company engulf the economy by 2080.

$$\hat{S} \times A \times N \times g_S + (\Sigma B^{st}) = R$$

As we saw from the spreadsheet earlier, this is a real game-changer when you also include the companies made by companies and so on. This can at the least cause an expansion of a whole cubic dimension (so we multiply by 8) giving 32,768 companies.

(Note: The Theory of Every Business: Grand Networks, S-World UCS™ and the S-World TBS™ helps to move S-World into every conservable business type.)

P for Momentum

$$N \times g_S \times \hat{S} / A \times P + (\Sigma B^{st}) = R$$

The P for momentum is another potential cubic multiplier, as brand development and brand love

are achieved via our good intentions, the good things we do, the fun of it all, accelerated by S-World films based on Angel City 5 and the special projects.

Currently, we are completely unknown, the PR made from just partnering with one of the trustees mentioned in Chapter 1 would increase our reach over 8 times.

So, multiplying by 8 due to branding, marketing and film, we increase our potential total to 262,144 companies.

₳ For Angelverse Operating System Licensors

$$₳ \times N \times g_S \times \hat{S} / Ѧ + (\Sigma B^{st}) \times P = Ѫ$$

Now we add the Angelverses, big companies & foundations that are licensed to distribute the Angelverse Operating System. For instance, businesses on Facebook, LinkedIn or Twitter licensing to their members; Pfizer licencing to its clients, Disney licencing to its fans, and the list goes on.

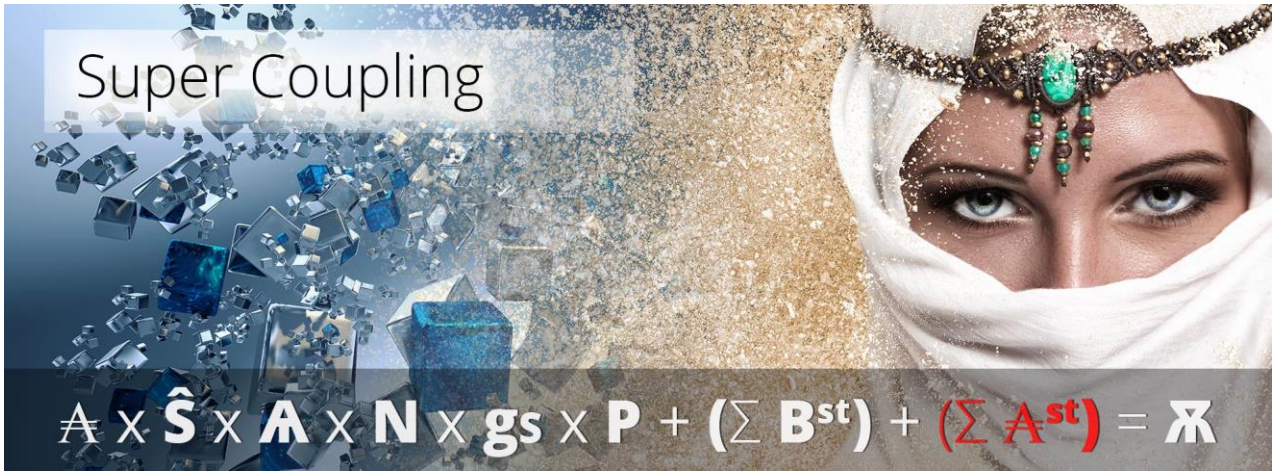
This becomes another game-changer, but this time, we can potentially move up by more than 2 cubic dimensions. Working under the premise that we have created all the M-Systems and that we have expanded the systems into every industry, Facebook alone could recruit millions of companies. Add to Facebook other companies across the world in every language recruiting, and we could increase opportunities by 100.

Consider it from this perspective; at this point, S-World has shown the potential to reach and make a deal that could be worth as much as $100,000 a year to 262,144 individual companies. So, we licence 'the opportunity to make new companies' to 100 licensors. Who can all offer their own additional incentives and are represented in every language.

The 100 licensors increase the reach of the network by 100 to 262,144,000

Sure the opportunities will be the same just through different Angelverses, but that's all part of it. We want many different ways to tempt businesses to S-World, and at the same time, we want many different variations of the Angelverse Operating System to be created by the different Angelverses.

Sum Over Angelverses



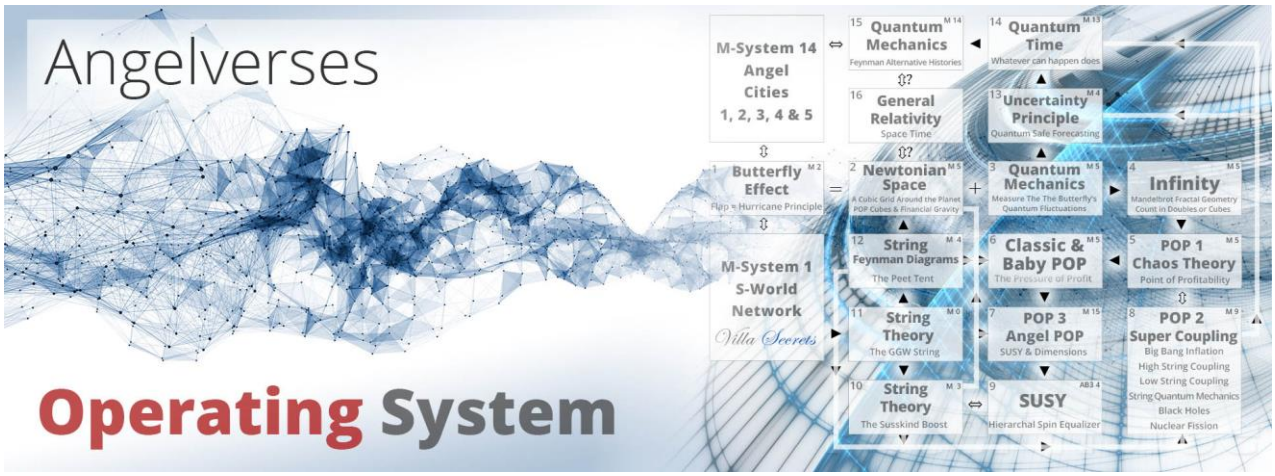
Lastly, (thus far) we need to add existing big companies and even countries that wish to either create new joint S-World Angelverse ventures or that wish to convert in full into E-TOE companies.

$$Ⱥ \times \hat{S} \times Ⱥ \times N \times g_s \times P + (\sum B^{st}) + (\sum Ⱥ^{st}) = Ⱨ$$

This is more of a long-term target; if we consider by the time, we reach Angel City 4 in 2048, if we have 25% of Global GDP, all eyes will be on joining S-World. And at that point, many businesses will see merit in adapting to a model that works with our system and goals.

This has the capacity to see the remaining 75% of GDP shift to S-World by 2080 and create more than a billion companies; which if we are considering a population of 10 billion, maybe half the population at work the other half not, 2 billion company owners and 3 billion incentivised staff.

The lesson learned is that there are 1 billion possible ways for S-World to create a company and any single company via the Hawking-Green Equation can engulf the economy.

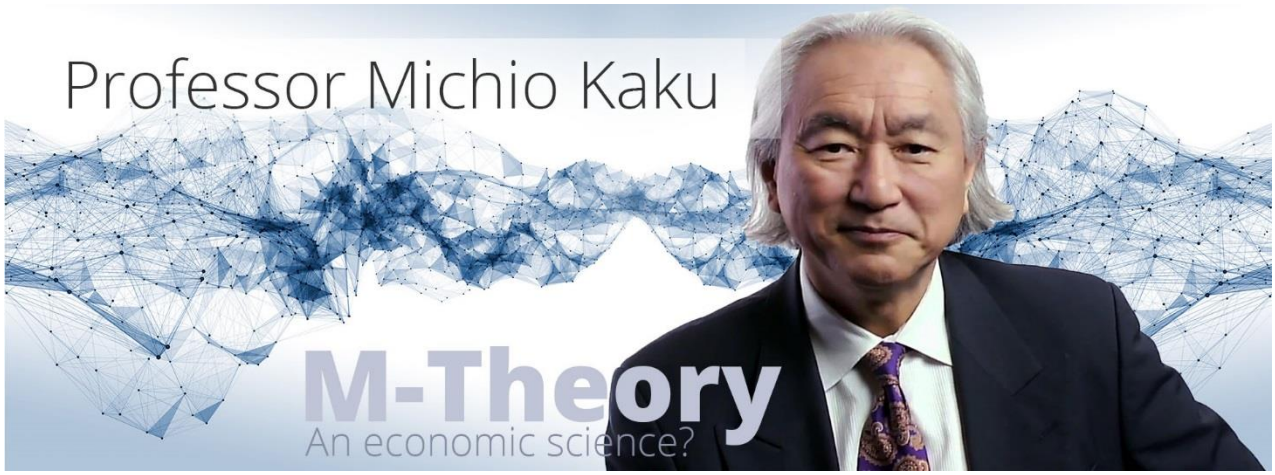


Super Coupling Continued….

POP Super Coupling is also a bridge to quantum mechanics as Dr Amanda Peet presents: "In 1996, two Harvard physicists professors Andrew Strominger & Cumrun Vafa used a set of rules from string coupling to perform string quantum mechanics to calculate what the entropy of what a black hole would be, and it turned out to give exactly the same answer as the Birkenstein-Hawking experiments predicted 40 years earlier using pure quantum mechanics."

The important point of the above is that by coming to the same conclusion using 2 different methods (quantum mechanics and string theory), it made the theoretical math of string theory much more likely to be correct in physics.

Another more recent consideration of Super Coupling inspired by the 6th chapter of Professor Michio Kaku's 'Parallel Worlds,' where Super Coupling is not unlike nuclear fission, as explored by Niels Bohr and John Wheeler and the first experiments in creating the atomic bomb.

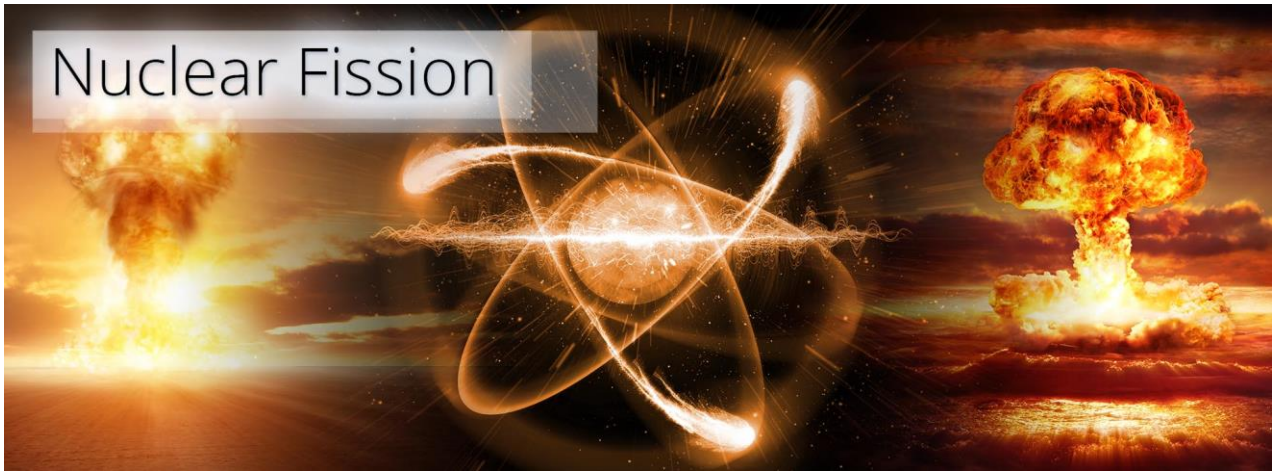


"Since everything in the quantum theory is a matter of probability and chance, Niels Bohr and John Wheeler estimated the probability that a neutron will break apart its uranium nucleus, releasing 2 or more neutrons, which then fission even more uranium nuclei, which

then release ever more neutrons, and so on setting off a chain reaction capable of devastating a modern city.'

However, 'In quantum mechanics, you can never know if any particular neutron will fission a uranium atom, but you can compute with incredible accuracy the probability that billions of uranium atoms will fission in a bomb.'

Professor Michio Kaku 'Parallel Worlds'



Considering the above, we look at our Hawking-Green Equation, which tells us, in theory, a single company could engulf the global economy.

However, in terms of creating one company per Michal Green's 'one string can become the universe scenario'; even if it can be shown to work on paper, we cannot realistically predict the outcome in terms of all the future companies that can be created from it.

And why would we? POP is slow at the beginning, and it would be 2 or 3 years before we saw the next company was created. Instead, we have a billion ways to create companies, and a general intent to make the software, expand rapidly then later seek to double the size of the network each year.

Now, we go to quantum systems M-System 4. Quantum-Safe Forecasting and the ‘Feynman Sum Over Histories’ systems… M-Systems 13. S-World UCS Voyagers & M-System 14. Angel Cities.

The E-TOE

An Economic Theory of Everything

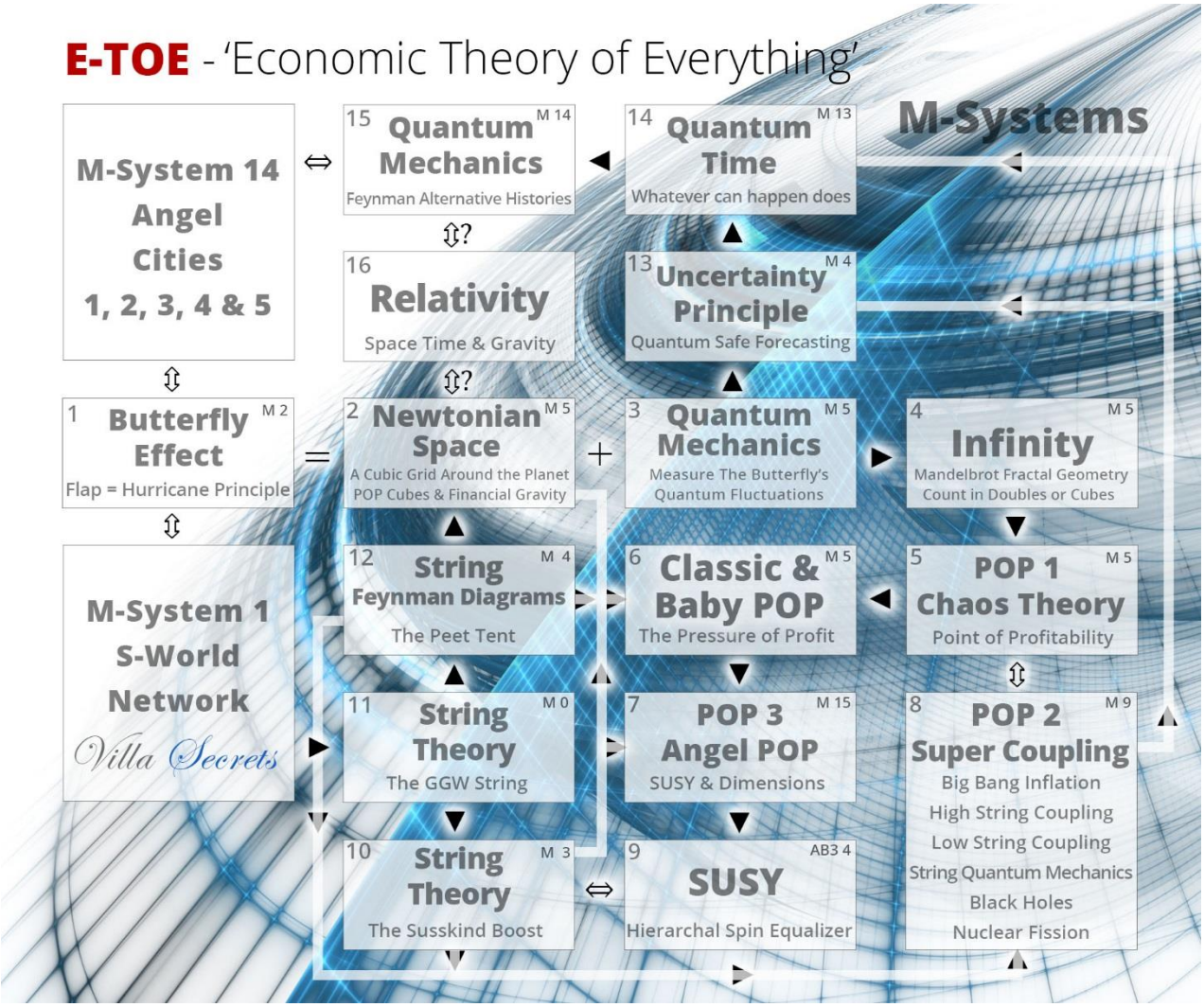
By Nick Ray Ball 19th November 2017

Chapter 5: Quantum Time

An Economic Theory of Everything Part 5: Eureka! UCS Voyager Economic Time Travel, Eureka²: Angel Cities - Feynman's Sum Over Histories future weigh stations:

Inspired by Sienna Skye

Quantum Mechanics, Steps 13,14 & 15



Step 13. (M-System 4) Quantum-Safe Forecasting

We have now covered Steps 1 to 12 and added supersymmetry and cubic dimensions to the chaos theory and string theory points; now we add the quantum systems.

Step 13. Quantum-Safe Forecasting is currently a basic system with plenty of room to grow. However, it is a practical system that has been assisting S-World Villa Secrets forecasting scenarios for over a year now.

Born out of M-System 4. The Peet Tent, which protects companies from failure; Quantum-Safe Forecasting created a vetting process via a simple equation that would assess the viability of companies and individuals wishing to join the network in the first instance.

'Quantum-Safe Forecasting' (QSF) simulates some basic laws of quantum mechanics, including the Heisenberg uncertainty principle seen below and acts as a limiter within financial forecasts.

Our source for this exercise is the 2010 book The Grand Design by Professors Hawking and Mlodinow…

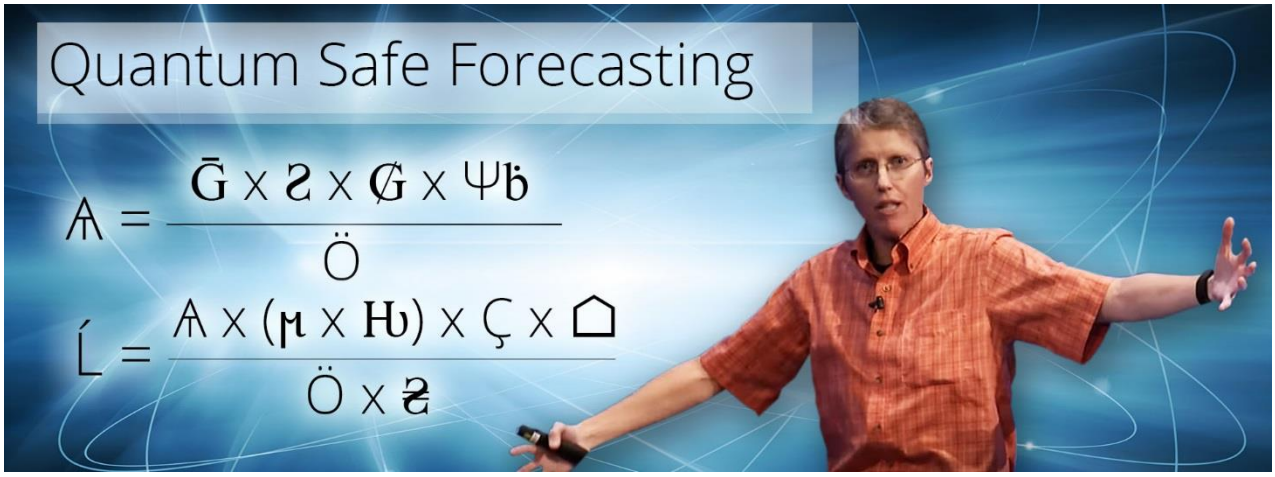
"According to the uncertainty principle, if you multiply the uncertainty in the position of a particle by the uncertainty in its momentum (its mass times its

velocity) the result can never be smaller than a certain fixed quantity, called [Planck's constant](). "

"That's a tongue twister, but its gist can be stated plainly:
The more precisely you measure speed, the less precisely you can measure position."

From this, we simulate as follows: Momentum = Profit and its position is a position in time, such as 1, 2, 3 or 4 years.

To increase the probability of making one's financial profit target, one simply needs to lower the estimated forecast. And here is how we do it...



All we are doing here is simple algebra, comparing a Villa Secrets forecasting scenario in Cape Town relative to an opportunity in Hawaii. (For the full equation, see http://www.angeltheory.org/m-systems/4/the-peet-tent.)

For now, we shall just focus on the top half and the components relevant to QSF; but note Ѧ (the A-Tent character) = The Peet Tent, Ḡ = Gross Profit, and Ö = Operational costs.

Below we see the quantum limiters.

1. Ƨ = 20% (First year jitters)
2. ₲ = 40% (limiting variable, made to increase probability of each forecast)
3. Ψƀ = 15% (Disasters and ELEs Renormalized)

1. Ƨ = 20% (First year jitters) (QSF)

This is a simple and logical limiter that accounts for a company's performance, potentially being less in the 1st year due to lack of experience. So, the gross profit (Ḡ) is lowered by 20%.

2. ₲ = 40% (limiting variable, made to increase the probability of each forecast) (QSF)

This limiting variable is per the Heisenberg uncertainty principle; by lowering the expected gross

profit by 40%, the odds of the company making less than the result is very low.

(Note in general this variable was too high, a figure closer to 20% is now used.)

3. Ψb = 15% (Disasters and ELEs Renormalized) (QSF)

This limiting variable accounts for location-specific disasters, from tsunamis to a political meltdown. 15% represents the chances of such an event happening in a year. If we were forecasting for California or Hawaii, this variable would be lowered to just a few percent.

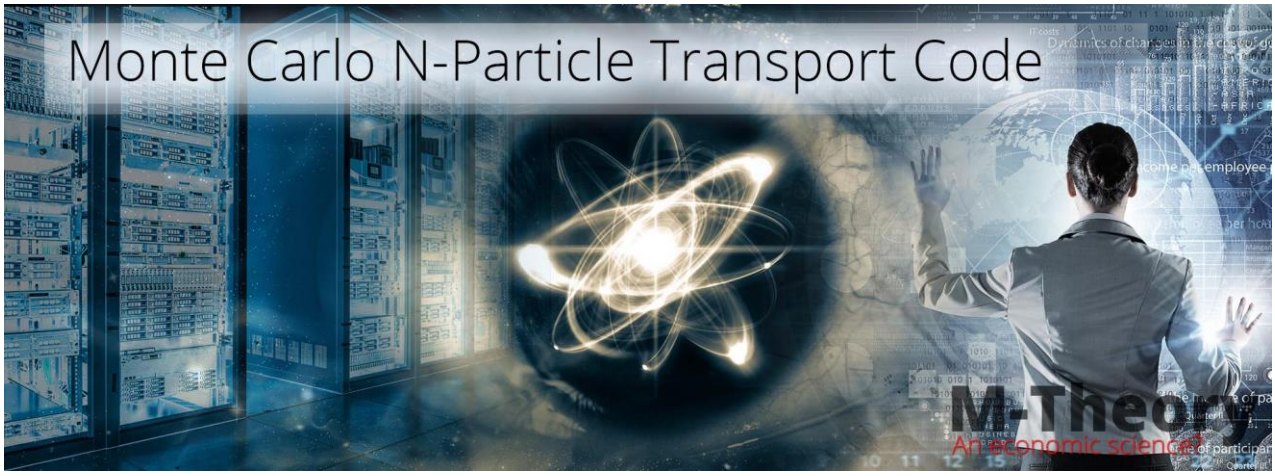
And as simple as they are, they have become very practical; as of now, 5 different Villa Secrets forecasting scenarios have been made with varying degrees of QSF. And because of the limiting variables, even with very bad luck, a company is still more likely than not, to exceed its target and make a profit.

A second exercise is when forecasting for 2, 3, and 4 years to double the uncertainty in number 2 '₲' (G Slash) each year. So, if in year one we have a 20% ₲ uncertainty, in year 2 it will be 40%, in year 3 it will be 60%, and the year 4 projection will have an 80% uncertainty, and we can't predict past the 5th year as ₲ = 100%.

Lastly added to the above is the MCQPS (Monte Carlo Effect Probability Software), an original 2012 PQS (predictive quantum software) system; which tells us that for each Susskind Boost action and in particular the TBS™ (Total Business Systems), we should always pick the lowest probability of all component systems.

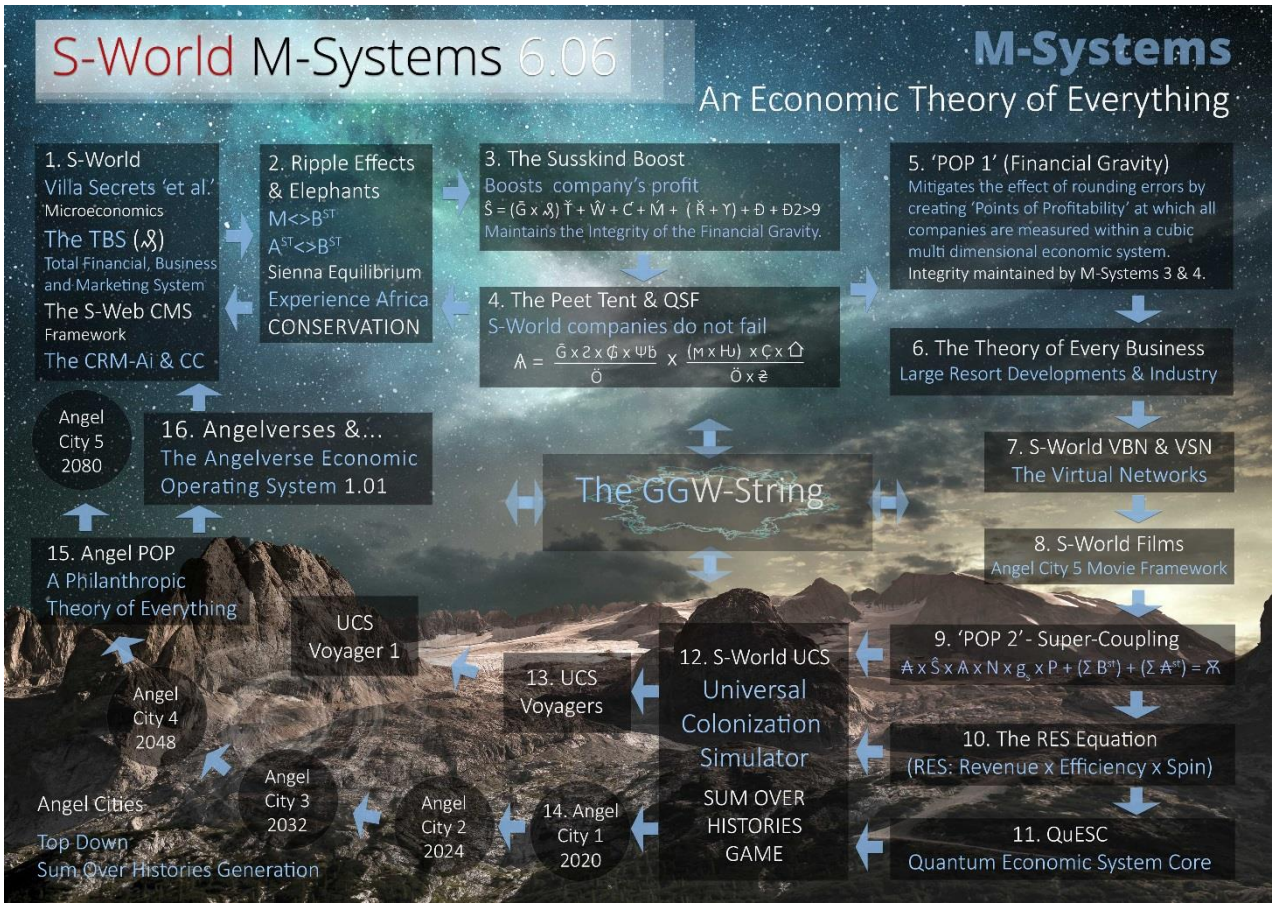
For instance, in the current S-World Villa Secrets forecasts there are 81 different TBS™ multipliers, all set to either a value we know due to experimenting/experience; or if there have been no experiments, a high and low probability is created via conjecture; and when creating forecasts, we always set to the lowest probability.

The MCQPS (Monte Carlo Effect Probability Software)



Collectively when used to create financial forecasts, QSF & the MCQPS help to make sure that a company will not get into trouble in the first place. As we would from 100 applications only choose 10 or so companies to work with, being the 10 with the highest QSF score.

Once all the boosts and limiters have been factored in, and a company score is calculated; companies with high scores go on to M-System 5, and companies with lower scores go back to Systems 1, 2, or 3 and start again, creating an improved strategy.



After starting at position 1, a new S-World company will be provisionally created, and its profitability calculated via the S-World TBS™ Multipliers.

Then in M-System 2, we consider the ripple effects created from and to the company, so assessing the company's value to the greater network. Next, we move to M-System 3. The Susskind Boost and consider all the different ways we can boost this company, and which methods are most effective to both the company and the network.

Lastly, we apply the Peet Tent & QSF equations. And if a company achieves a high enough score, it moves to M-Systems 5 to 16; whereas lower scores need to go back to previous M-Systems (1, 2 or 3) to create an improved strategy.

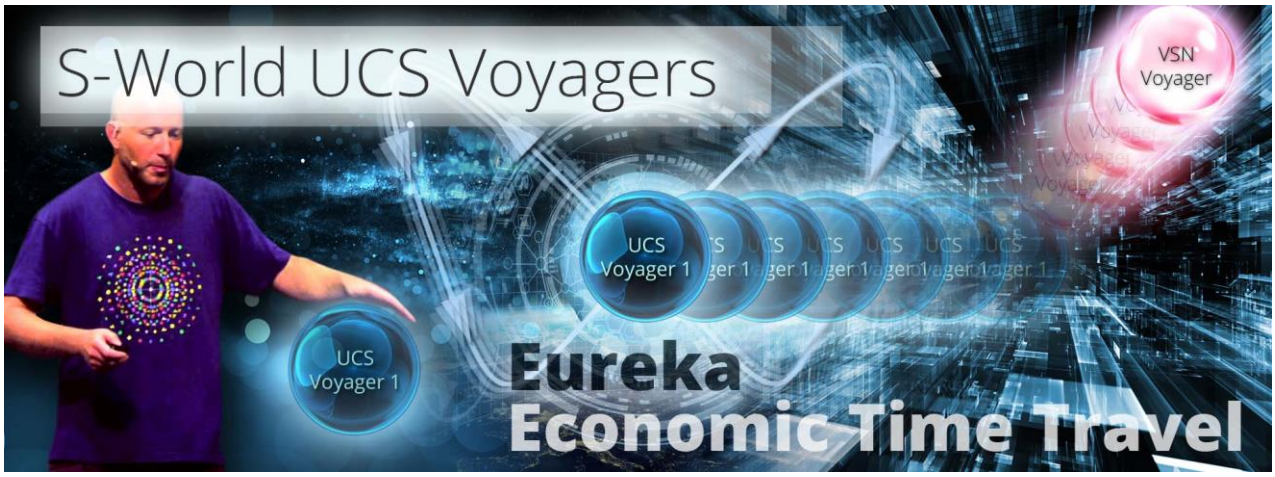
By adding Quantum-Safe Forecasting, we decrease the probability of critical failure to any one company to a very small probability; and the bigger the network becomes, the less the probability of failure is until the system is massive, and the probability of failure is as small as a Planck length.

Step 14. (M-System 13) Quantum Time & S-World UCS Voyagers

As was told in the previous chapter, the Eureka moment in terms of creating the S-World business network, the virtual network and S-World UCS (the MMO Game and tutorial system) arrived courtesy of Garrett Lisi's TED talk 'A Theory of Everything.' In which Lisi presents his quantum coral analogy where "**each individual was in many other locations experiencing them as separate individuals**," and the quantum mechanics mantra:

"Everything That Can Happen Does"

This consideration became the tipping point where a simulated game and business software became a form of economic time travel.



The consideration was that we would create a copy of the S-World UCS Network called 'UCS Voyager' and send it forwards in time at a speed twice our own. So that in 6 months of our time, the simulation would be a year ahead, and within business owners, managers, staff, and gamers alike could conduct their own business simulations; then from all the possible outcomes choose which actions from the simulations to follow back in real-time.

Businesses follow the wins, avoid the losses, and replay opportunities that showed potential in Voyagers 2, 3, 4…

What if you could look to the future and see millions of eventualities?
What if you could use this information to assist you today?

Welcome to S-World UCS

Welcome to your future

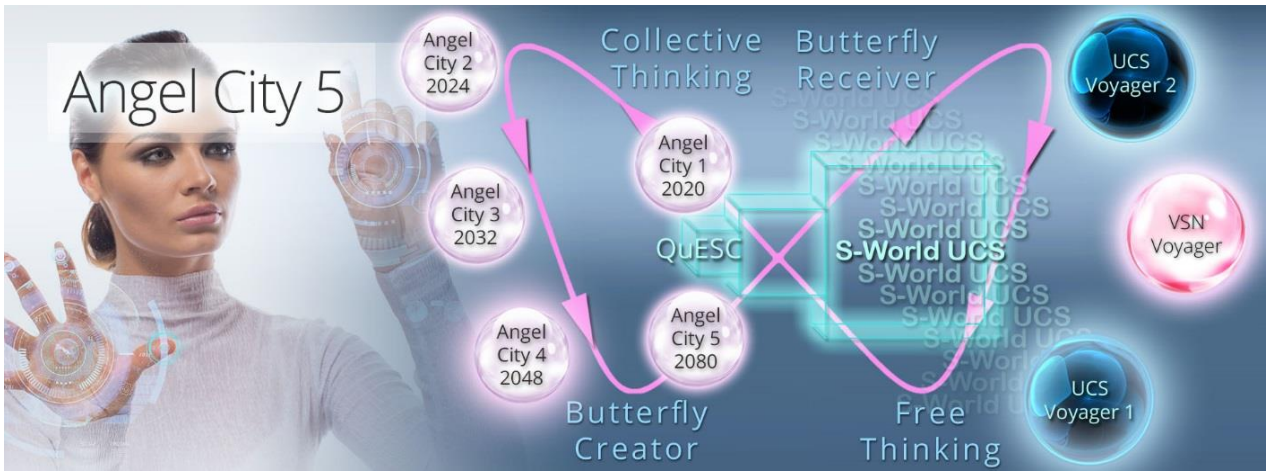
Step 15. (M-System 14) S-World UCS Angel Cities

Angel Cities are 5 future simulations of the network from 2020 to 2080; first created as logistical support for UCS Voyagers but have since become the key ingredient and the '**why**' behind the entire project.

In terms of M-theory and its component quantum mechanics, we respect Professor Richard Feynman's alternative histories (sum over histories/paths), which tells us that no unobserved system has a definite past or future.

"Quantum physics tells us that no matter how thorough our observations of the present, the (unobserved) past, like the future, is indefinite and exists only as a spectrum of possibilities."

From 'The Grand Design' by Professors Stephen Hawking & Leonard Mlodinow



Shaping the Future

Set in the years 2048 and 2080, Angel Cities **4 and** 5 are the nerve centre for the S-World network's long-term ambitions, described as a set of 'super projects.' In this simulation, we work within the M-Systems framework to plan the best earth we can logistically create. And once the blueprint is set, we create paths back through Angel Cities 3, 2 and 1 so that each company,

development, wonder and 'special project' that we wish to exist in 2048 and later 2080 has a definite history back from the future to our time.

Angel Cities are both locations of super-grand networks and times in the future; 2020, 2024, 2032, 2048 & 2080.

By planning our future in intricate detail and working in waves of probability back through the future Angel Cities, we can control our destiny.

This future <> past relationship is in a constant superflux, but one thing is constant, our ambition: The set of 'super projects' that are to be achieved. In Game Theory and military strategy, they call it 'Commander's Intent' (but instead of 'take that hill, it's 'make them projects'), as commanders know that the best-laid plans can quickly fall apart in battle. We must allow for every eventuality.

However, once enough strings and ripples have congregated, it gets easier. For example, the first of the 16 Super Projects: 'Experience Africa' is underway and has become entangled as Angel City 1.

Angel City Project 1. Experience Africa is already underway, as the 20 unique and beneficial systems of Villa Secrets are set to create superior systems for the safari industry and thousands of related businesses; which by 2021 have the potential to provide game-changing funding for the protection and conservation of Africa's Elephants, Rhinos, Cheetahs, and other endangered animals.

Angel City 5 Special Projects (to be completed by 2080)

The 16 Special Projects are a guide & starting point to be added to. I like the idea of there being 16 projects, as it is in keeping with the math. However, the projects should be broad topics that all other projects fall into.

Here are our choices:

1. *Special Project 1. 'Experience Africa' Fights Ivory Poaching*
2. *Special Project 2. The Ecological Economy (builds the network ecologically)*
3. *Special Project 3. Advancing Human Potential*
4. *Special Project 4. Cities of Science*
5. *Special Project 5. Equality & The Poverty Gap*
6. *Special Project 6. Sienna's Forests*
7. *Special Project 7. Global Cooling*
8. *Special Project 8. Universal Knowledge*
9. *Special Project 9. Spartan Contracts (Nongraduate opportunities)*
10. *Special Project 10. Global Healthcare*
    a. *Special Project 10b. Limiting Antibiotics*
11. *Special Project 11. African Rain (Mass desalinization project)*

12. *Special Project 12. Their Oceans*
13. *Special Project 13. Middle Earth (Underground grand networks)*
14. *l Project 14. The Population Point*
15. *Special Project 15. The Spartan Theory (Peace in our time)*
16. *Special Project 16. Universal Colonization (and MARS Resort 1)*

For more on special projects:
www.AngelTheory.org/Special-Projects-2017
www.AngelTheory.org/Special-Projects-2018
http://www.angeltheory.org/book3-14/ripple-effects-and-elephants-for-paul-g-allen
http://angeltheory.org/64-Reasons-Why--Summary-v16-9.pdf

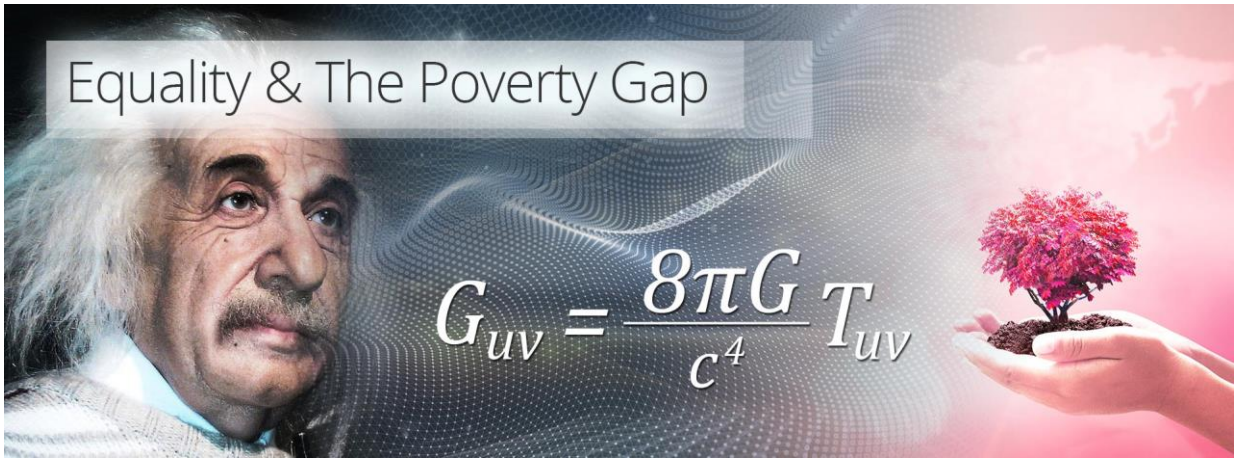
The E-TOE

An Economic Theory of Everything

By Nick Ray Ball 19th November 2017

Part 6: Relative Equality

An Economic Theory of Everything Part 6: Einstein's theory of gravity simulated as a theory of equality as we grow those mountains and fill them valleys!

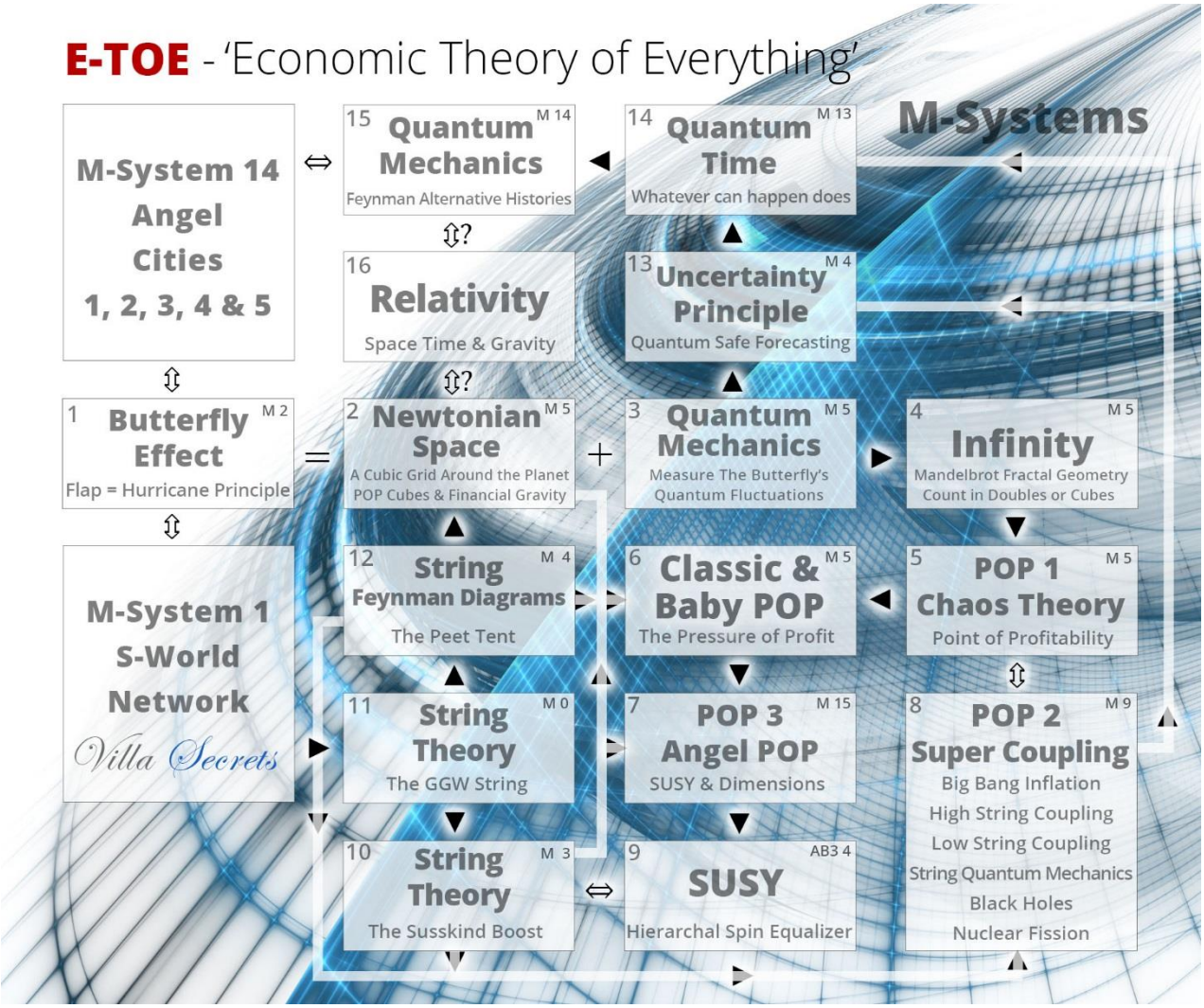


Inspired by Sienna Skye

Step 16. Relativity (Space, Time & Gravity)

Before we begin this final step, please note on the graphic below the question marks above and below Step 16. 'Relativity.'

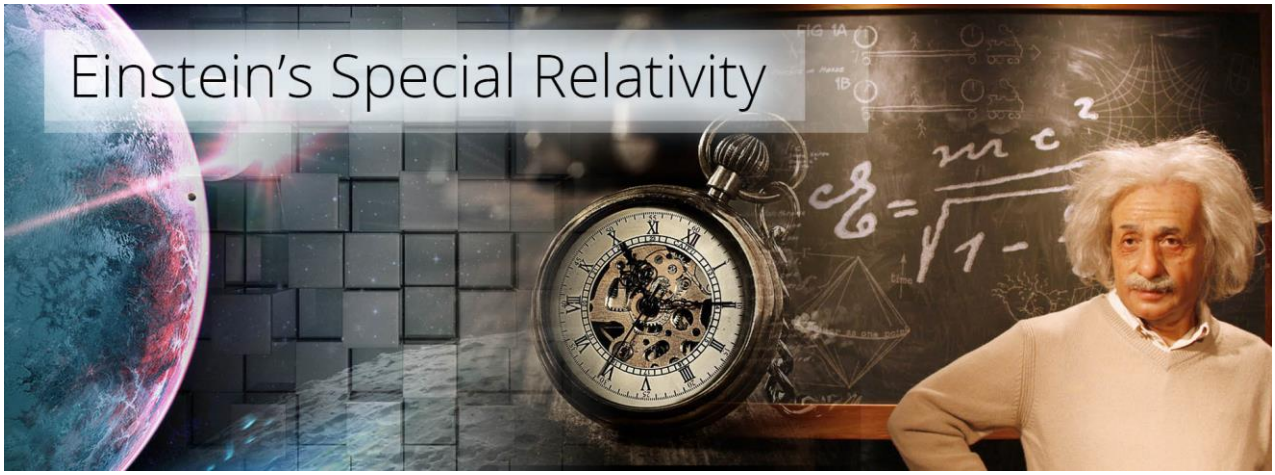
At the point of making the graphic (in August 2017), this step was in place for others to contribute to, as I knew little relativity and had nothing significant to add in terms of economic simulations.



However, as it turned out, I found some time to study. And whilst we are only starting to add systems within the E-TOE, I think in terms of the idea that one can use qualities of M-theory to create an economic system in the first place are better made from relativity than any other perspective.

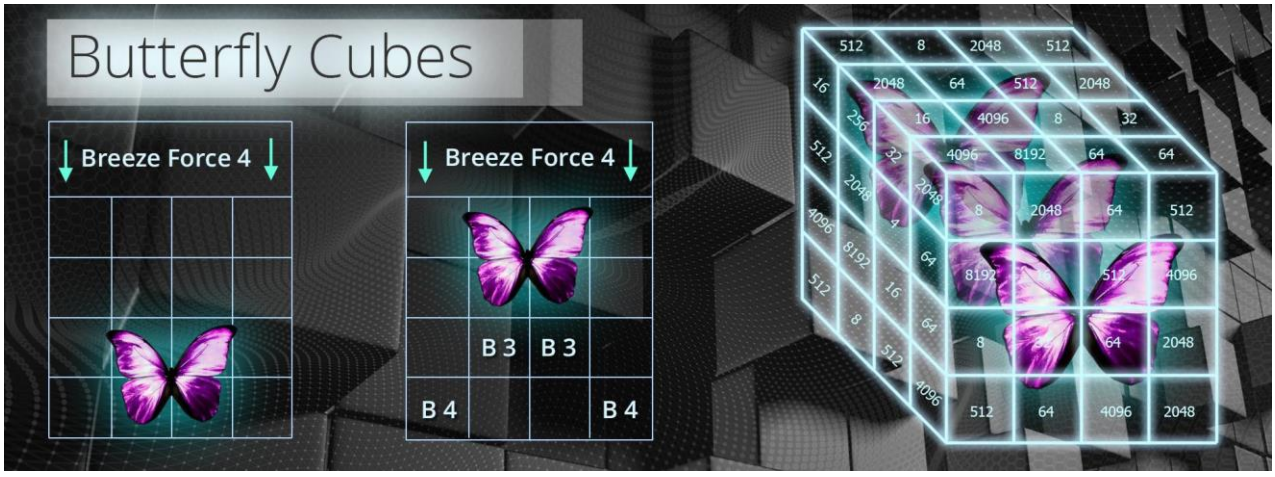
By creating a system inspired by quantum mechanics, string theory, supersymmetry and M-theory, it's a testament to the accuracy of the simulation when just like Professor Edward Witten tells, out pops general relativity for free.

Albeit, in our case, special relativity popped out for free.



Step 16, Part 1. Einstein's Theory of Special Relativity (1905)

In 1905, Einstein proposed his theory of special relativity and the idea that time and space are two sides of the same coin, which when pictured mentally could be visualised in a similar fashion to the original cubic grid around the butterfly from E-TOE Steps 1, 2 & 3 from the summer of 2011.

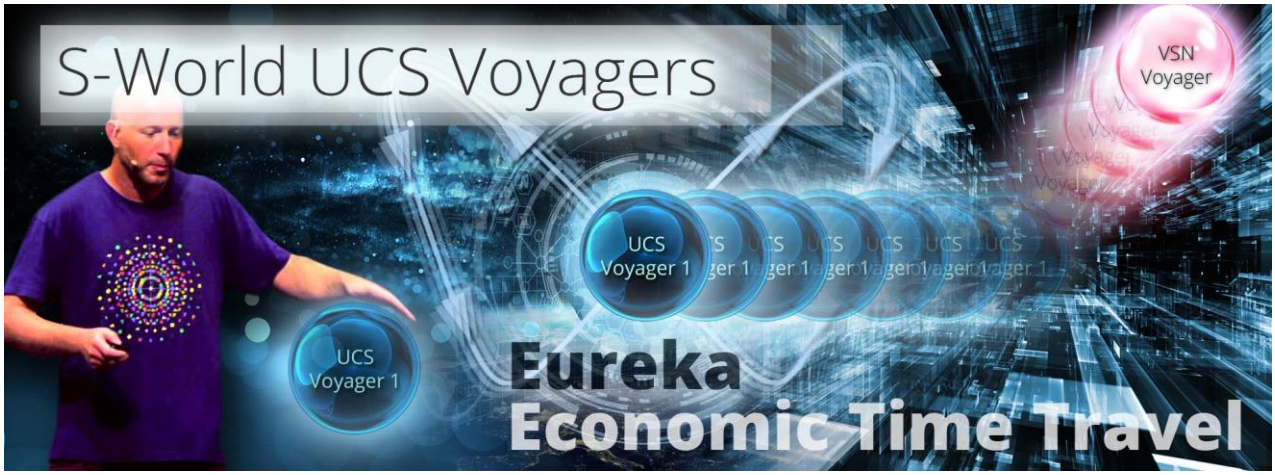


Despite no definite plan, Angel Theory's M-Systems are brimming with special relativity; as, at the heart of special relativity, 'time and space are the same and interchangeable.'

Starting with Time…

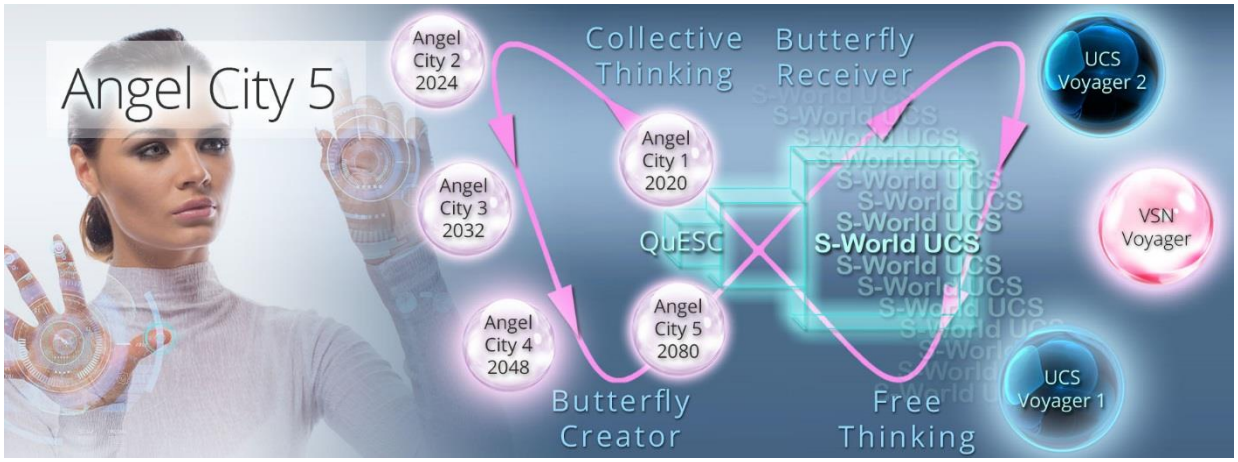
In the past 2 Quantum steps, we have seen 'time.'

In Step 14, we created a virtual copy of our business network and pushed it forward in time and let business benefit from the foresight back in real-time, creating economic time travel.

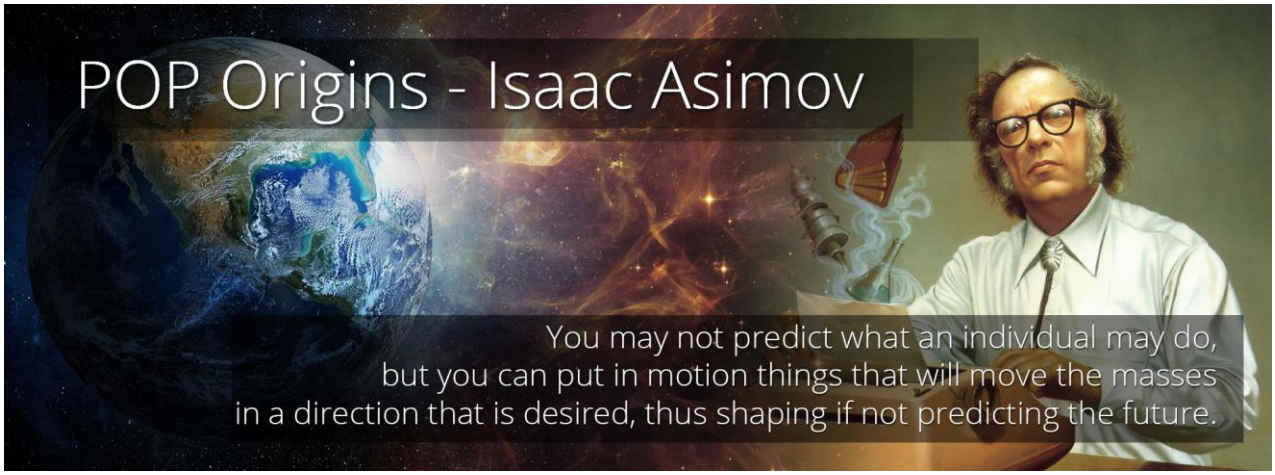


Then in Step 15. 'Angel Cities,' we create 5 points in the future (2020, 2024, 2032, 2048 & 2080) where after the billions of opportunities and even more ripple effects are created (back and forth from 2080 to 2020) that govern the development of the network and our ecological economy.

Via S-World UCS Voyagers and Angel Cities, we make very precise and incredibly flexible plans to creating the Utopian Angel City 5 (2080) idea of a perfect future.



Collectively, Steps 14 and 15 works with the rest of the M-Systems to shape our future per Isaac Asimov's prescription, which was so pivotal to the development of the network/system back in 2011.



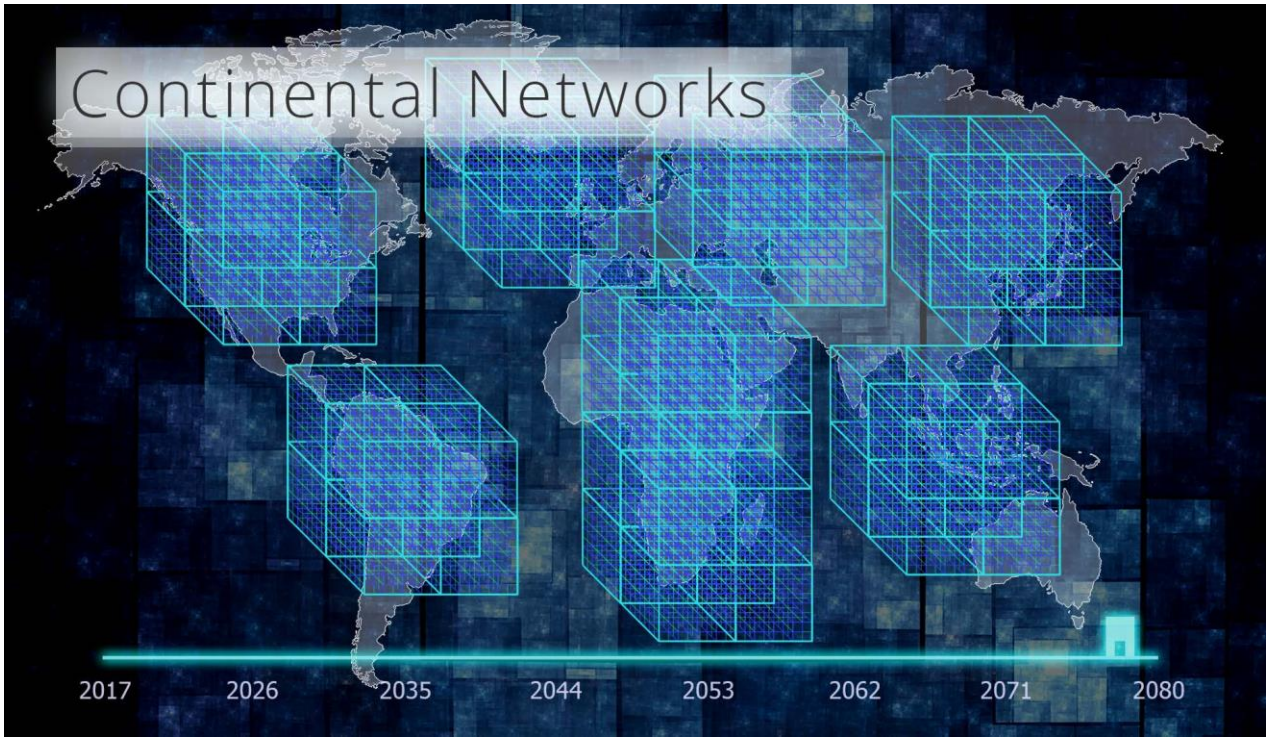
By Isaac Asimov

In his words:

"You may not predict what an individual may do, but you can put in motion things that will move the masses in a direction that is desired, thus shaping if not predicting the future."

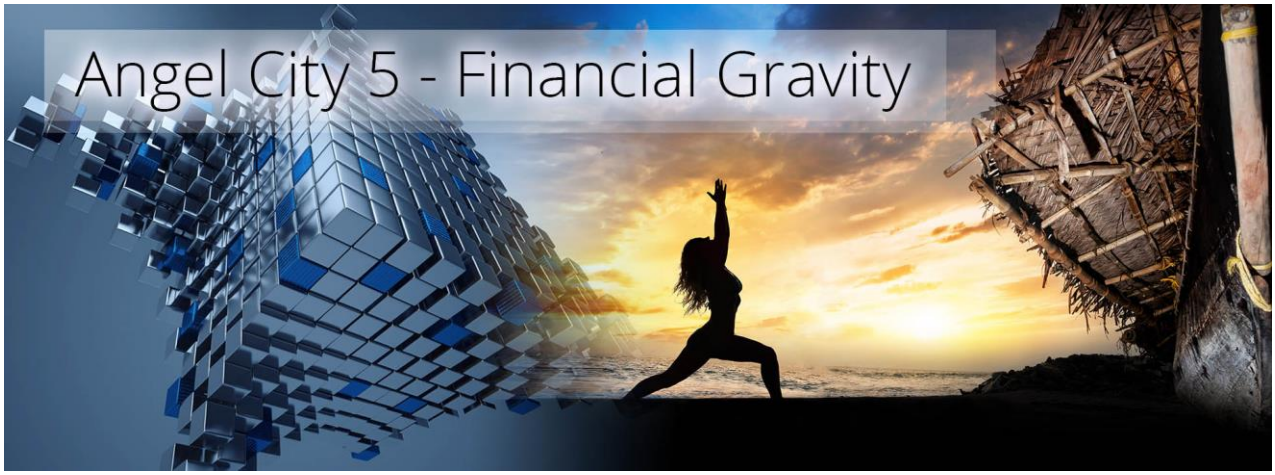
Next, we add Space…

For space, we have an abundance of systems, as the POP cubes (Steps 1 to 6) create (a predictable underlying) financial gravity.

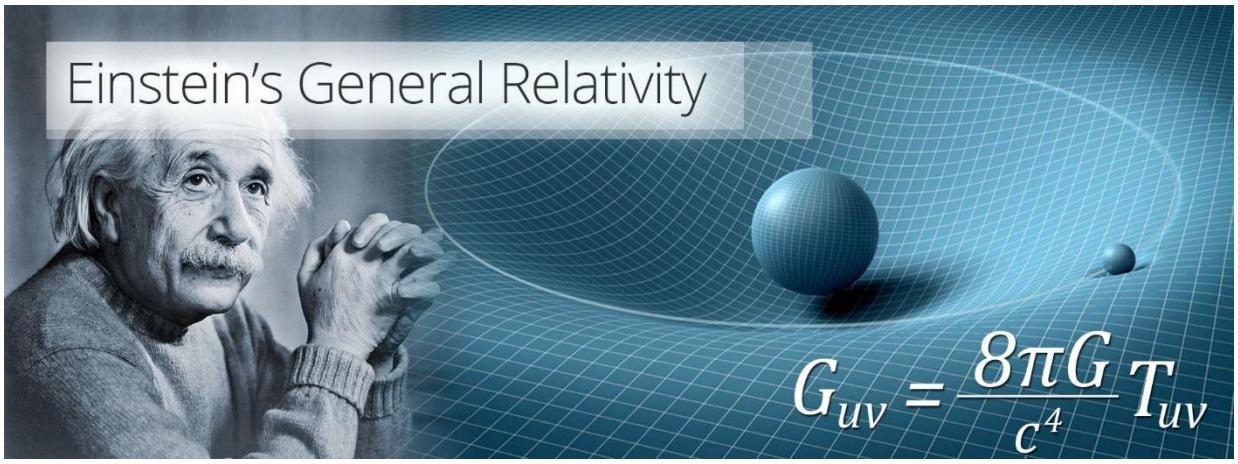


Put the two together, and we have space-time.

In terms of special relativity and our time and space being interchangeable, this is our purpose, we wish to create a future prediction, and then guide our ourselves to that future, at which point in time our Angel Cities predictions (our time) and our financial gravity (our space) become one.


Angel City 5 - Financial Gravity

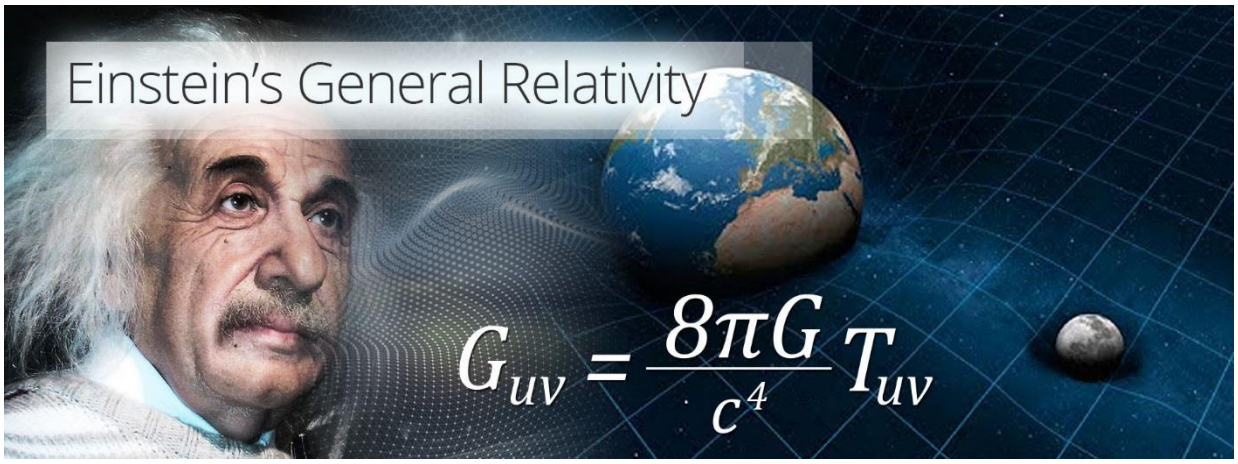
Step 16. Part 2: Einstein's General Relativity



Put simply, Einstein's theory of general relativity throws away the Newtonian picture of gravity where all objects are attracted to each other, and in its place, presents the idea that gravity is the result of the geometry of existing within curved space-time.

The earth is not attracted to the Sun. Instead, the Sun has warped space-time, and the earth is simply moving in a straight line around the warp in space-time created by the sun.

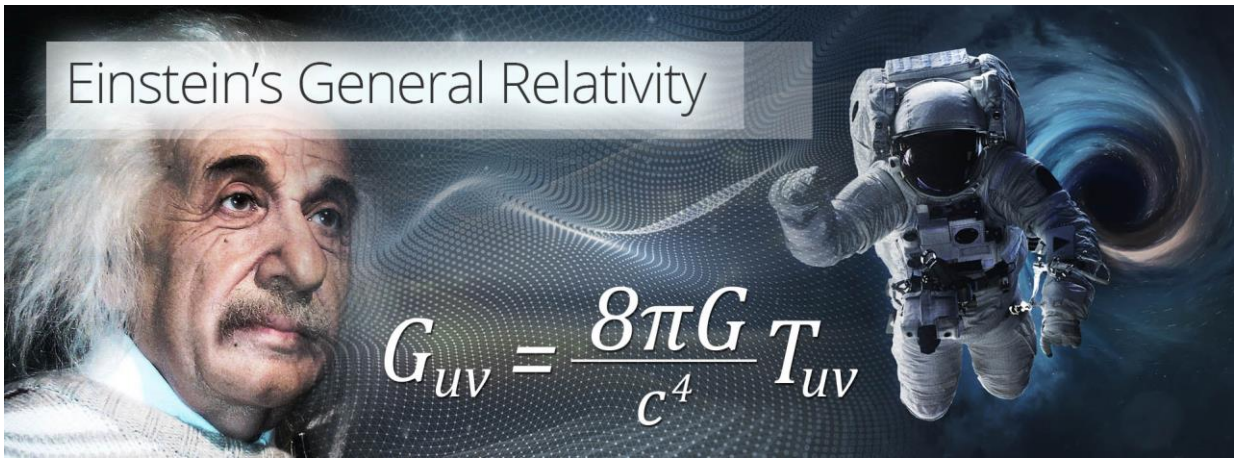
Not unlike placing a heavy bowling ball in the middle of a large trampoline and rolling a marble forward and see it orbit the bowling ball.



Whilst technically general relativity has proved Newton's work as not perfect, general relativity only makes a difference at points of high gravity.

For instance, Newton's equations are all that is needed to land a man or woman on the Moon or Mars. But become slightly inaccurate when it comes to measuring the orbit of the planet Mercury (the planet nearest the sun), and become wholly inaccurate if one were to attempt to

measure the gravity of a black hole, a wormhole, or go back to the beginning of time to the big bang.



"Einstein's field equation (see above) uses 'super-compacted notation' so, like Dr Who's Tardis, it is bigger on the inside than on the outside. The left-hand side of the equation is, in fact, a 4 by 4 table of numbers known as the Einstein curvature tensor, which summarises the curvature of space-time. The right-hand side is another 4 by 4 known as the stress-energy tensor, which summarises the sources of gravity.

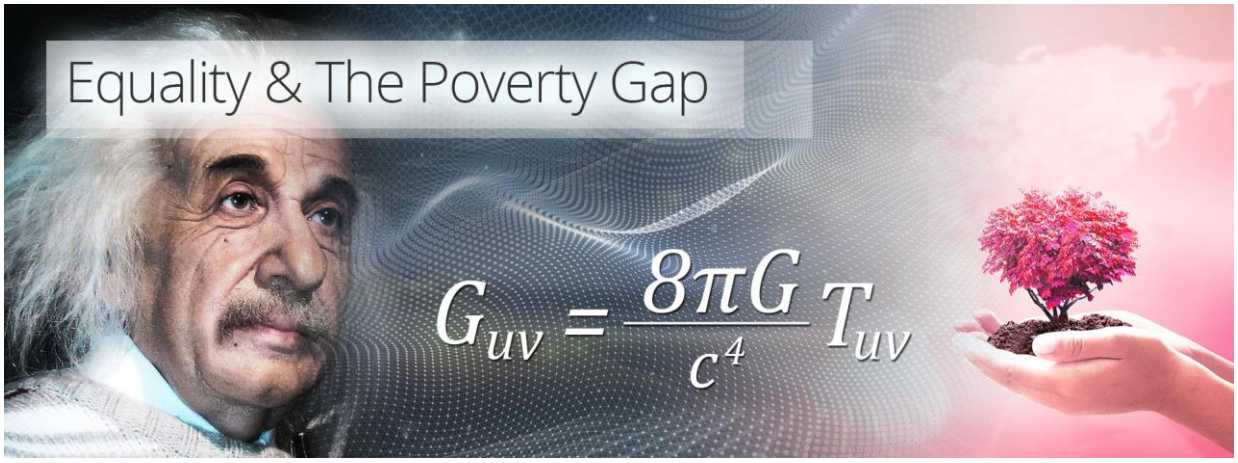
That Einstein's equations contain 4 times 4 tables of numbers means that there are actually 16 equations."

From 'The Ascent of Gravity' by Marcus Chown.

That there are 16 equations is an interesting observation for the future. For now, the influence on M-Systems from general relativity is that the universe does not sit in a framework of perfect cubes, spacetime is contorted and stretched.

And we shall mimic as follows… Instead of growing evenly (which is the quality of M-System 15. Angel POP), we need to accelerate the locations in abject poverty relative to the richer countries, whilst still making sure richer countries are stable and growing nicely.

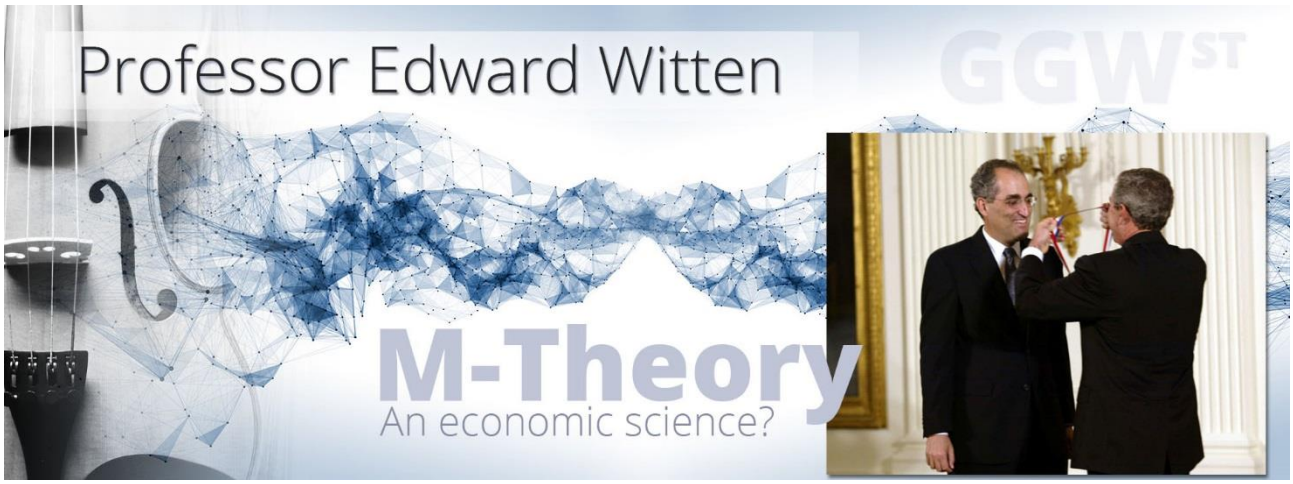
Picture a landscape with mountains and valleys; where the mountains represent rich areas, and the valleys represent areas of abject poverty. This can become an alternate view of the Global Network Cube. The objective is to grow the mountains and eliminate the valleys, and in general smooth everything out. By 2080 still leaving an uneven landscape with big mountains, but in place of the valleys lie flat areas and hills in some cases, and a much fairer and even economy. Indeed, we can say that general relativity is the flagship of Special Project 5. Equality & The Poverty Gap.



In terms of creating M-Systems, that's all we have so far for Relativity, and whilst there has not been a specific system that generates more money, we have found ways to look and grow the network differently. We have given more relevance to some systems and, most importantly, I feel we are nicely primed for others to contribute, as it seems we are on the verge of something very exciting popping out of our M-theory simulated economy.

And whilst it is very early days for 'relativity' within this simulation, the fact that space-time popped out; as soon as we added the quantum time elements is interesting in itself, as it is a step towards Einstein's Theory of General Relativity popping out of M-theory per Professor Edward Witten's observation:

"If Einstein had never discovered relativity, it might have been discovered as a by-product of string theory.
General relativity, in some sense, is for free."



Professor Edward Witten
Winner of the Fields Medal
Charles Simonyi Professor at Princeton University

The E-TOE

An Economic Theory of Everything

By Nick Ray Ball 19th November 2017

Chapter 7: M-Theory an Economic Science?

An Economic Theory of Everything Part 7: A few choice quotes from Professors Witten, Hawking & Camelia that lead to the question: 'M-Theory an Economic Science?'

Inspired by Sienna Skye

Continuing from chapter six, 'Relative Equality, this chapter presents some quotes that lead to the question, can M-theory be considered as an Economic Science. Or alternately, can M-Systems and the E-TOE be used as a way to teach M-theory?

And whilst it is very early days for 'relativity' within this simulation, the fact that space-time popped out; as soon as we added the quantum time elements is interesting in itself, as it is a step towards Einstein's Theory of General Relativity popping out of M-theory per Professor Edward Witten's observation:

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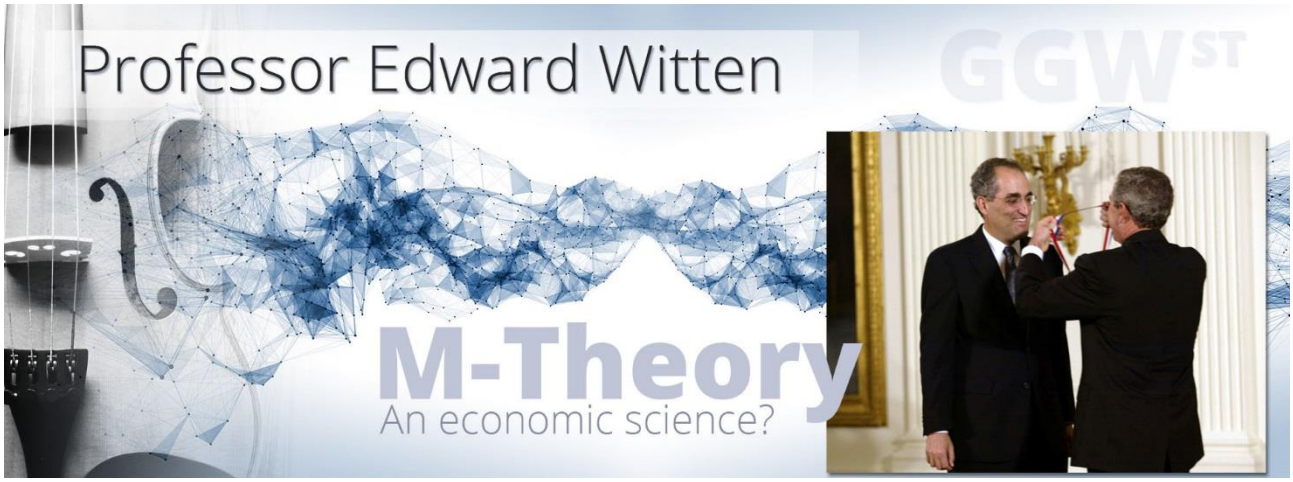
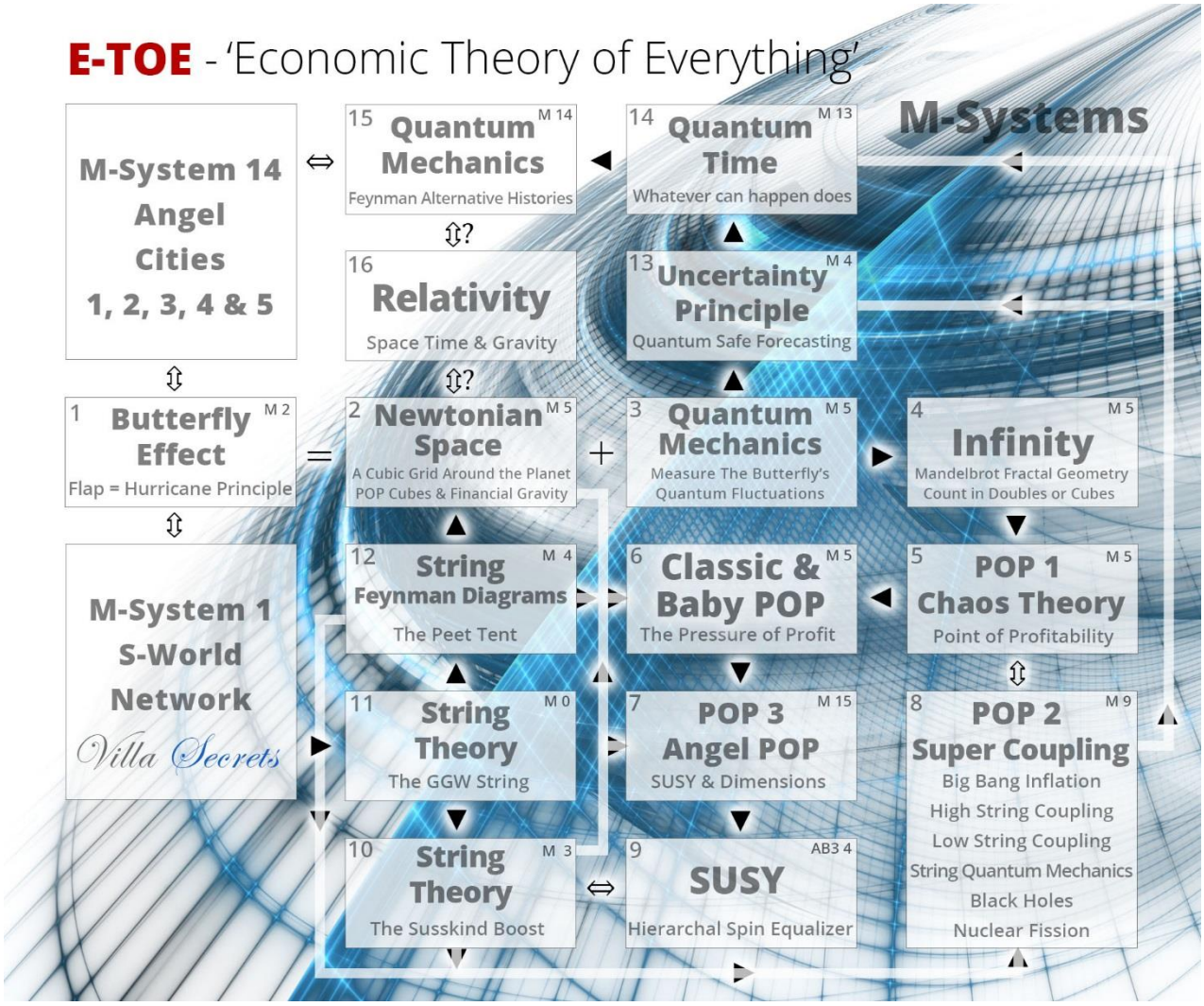


Professor Edward Witten
Winner of the Fields Medal
Charles Simonyi Professor at Princeton University



To conclude, for now, I shall leave with a few pertinent quotes from Professor Hawking and Dr Giovanni Amelino-Camelia.

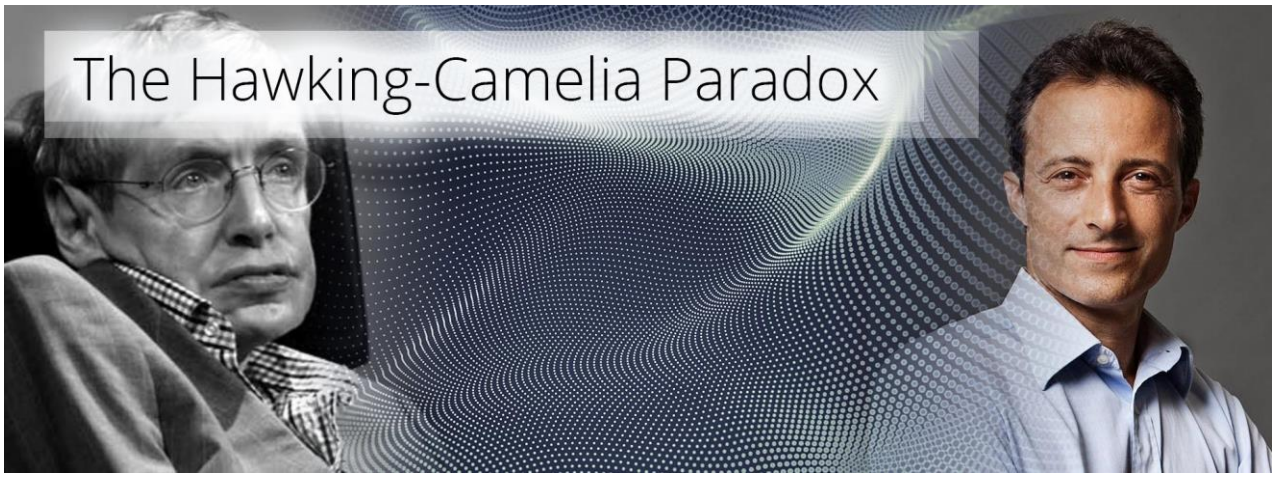
"The laws of nature are meant to economically compress a number of particular cases into one simple formula."

"If we do discover a complete theory, it should in time be understandable in broad principle by everyone, not just a few scientists."

And when that happens, all of us will be able to discuss the why rather than the how."

Professor Stephen Hawking (paraphrased)

The Hawking-Camelia Paradox,



"I don't believe that the ultimate theory will come by steady work along existing lines. We need something new."

Professor Stephen Hawking

"When you're stuck chasing a certain answer, you often discover that all it took to find the answer was to look at the same problem from a different angle."

Dr Giovanni Amelino-Camelia

The paradox is that by looking for something new for M-theory and relativity in physics, one may miss the 'something new' altogether. And that the different angle can be that we can use M-theory to create new math and science-based economics, from which a whole array of possibilities is born.

At the end of the day, we say economics, but really, we just mean 'money', and that's something just about everyone in the world thinks about and wants more of.

And by relating to money, we can open up this m-theory discussion to the whole world. But first, we ask the world's leading M-theory physicists to consider based on our presentation:

M-Theory an Economic Science?