

# Relativity

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## Introduction

**This follows on from my recent work investigating corruption and human patterns.**

We leave messages for our future selves.

I started to think about how I would classify information about people, organizations and documents. I realized immediately a problem of our current world is that the legal community has ensured that they have maximum impact and profit from interfering people's lives. What may have been previously been discussed and argued and deliberated on over some time as a community communication and cooperative process has now been centralized in courts and governments to the extent that the rest of the community have become indentured slaves to the legal community and those who control the legislation and police.

There is no incentive for the lawyers to throw themselves out of a job – that's why they keep lobbying for more legislation and courts. It is not that they have any notion of the community or humanism – quite the opposite – they are self focused – either in their own perception of their understanding of the universe at large or their special place in the community.

So we now have the notion of relativity where someone cannot say that they think something is better than something else publically or they will be sued, attacked, censored by a virtuous senate or politician, spat on by the mob, accused of misleading advertizing, being a fool, undermining the "authority", undermining social cohesion, discrimination (duh!) and causing "offense". Australia has entrenched the notions of **offense** and **feelings** in its legislation as part of a world wide virtue signal. This has been lead by feminists and other extremists but also by underdeveloped men who tend to operate using the Arthurian Knights legend frameworks. They are the sycophants to the idiotology – the Grail of virtue.

So not only does the legislated profit for lawyers increase, but as individuals self-censor to avoid abuse by the rich, powerful and lawyered up – discussion, debate, exploration and creative communication – all cease. Legislated ignorance and stupidity infest all the jurisdictions and classrooms. Children who find this insanity unnerving are given drugs and counseling by those gainfully employed in the idiotology to help them cope – not understand mind you – just cope with the idiotology and all its manifestations. The more people adjust, the less need for lawyers to get involved in cases. This has enraged the legal community so they heavily lobby government to create more laws to give them more money and keep them employed. And because the legal community is heavily entrenched in the political community – we find the deadly embrace of corruption feeding on itself and the abuse of those who do not belong to the "intellectual" group.

Schools do not teach relativity any more – it is all about equality (except for girls who are considered special – again this is legislated). This inherent self delusional hypocrisy naturally leads to more and more dysfunctional humans with little ability to respond or adjust to new challenges using basic human processes and they operate on a self centered and disconnected way with any other parts of society (other than with people who have the same kind of dysfunction as them) – i.e. the entrenched mad group think which George Orwell saw. (as did many others throughout history). The ABC reporters, management and staff exhibit this kind of avoidance of the universe by their constant self righteous bias and lack of investigation of wider world issues that they do not agree with. I explored this in my article *Observe The Fool and The Expert* <https://humanistman.com/wp-content/uploads/2019/09/Observe-The->

[Fool-and-The-Expert.pdf](#) . The naysayer serves an important role in dealing with the corrupt death spiral of this human ignorance and abuse.

So the basic building blocks of any rational thought or development have been continually undermined for many decades now by people who have very little understanding of the universe or humanity. This mob, of course, immediately demonizes those who dare to question – so the questioning itself has been legally sanctioned. Judges, Magistrates, Registrars are legally exempted from scrutiny - Courts, Registrars, Ombudsman – hide the corruption and protect themselves from scrutiny or even questioning - Politicians decided to give themselves special powers, money, “entitlements” – **the entitled ones** - and deal out some more specialness to their friends, family and in-groups (currently feminists, women and selected races) – and so the corruption, lies, and self delusions keeps on feeding on itself. Thomas Sowell notes the behavior of humans who consider themselves “intellectual” – and somehow the holders of the grail and the “superior” ones. The joke of course is these are some of the least “intellectual” humans of all. This self-delusion and special humanness is everywhere but none worse than in those professions above, marxists, feminist, nazis, racists and all other types of binary extremism. It shows a deep ignorance and lack of understanding of the immense complexity (comprehensive) and interconnectedness (cohesiveness) of humanity.

So it is a BIG STEP to compare individuals, organizations and documents – not just because it might lead to productive argument and human development – but because of the energy of **OUTRAGE** and **OFFENSE** which dominates the world and the use of MEDIA, POLICE, COURTS and MOBS to ATTACK and REMOVE anyone who dares to question or express alternative opinions and is prepared to discuss and explore the differences. Nation state’s “intellectuals” have entrenched bias, hatred, divisions and censorship in schools, courts, public broadcasters and universities.

At the heart of this is the binary good/bad groupthink which casts their special great insights as “good” and they themselves as righteous beyond doubt and certainly above examination.

## Framework

Group frameworks, schemas and choice.

## Population

Human groups – groups of humans working together or surviving in groups. Nation states. Individuals within Nations.

## Questions

1. What is Relativity?
2. What are the alternatives to Relativity?
3. Do humans prefer some alternatives and under what circumstances?
4. Why is my hypothesis any better than anyone else’s?

## Initial Conditions

Groups, Nations, Order, Schemas, Patterns, Messages, infinity.

## Self reference

All my models so far.

## Recent Explorations

Tales, Schemas, Math (revisited), Syllabus

## Recent People

**OGiambattista Basile** :Year(1566-1632) :Keyword(Tale)

[https://en.wikipedia.org/wiki/Giambattista\\_Basile](https://en.wikipedia.org/wiki/Giambattista_Basile)

<http://www.timsheppard.co.uk/story/stories/pentamerone.html>

**Thomas Edison** :Year(1847-1931) :Keyword(Business) [https://en.wikipedia.org/wiki/Thomas\\_Edison](https://en.wikipedia.org/wiki/Thomas_Edison)

<https://www.history.com/topics/inventions/thomas-edison>

**Wolfgang Amadeus Mozart** :Year(1756-1791) :Keyword(Music)

[https://en.wikipedia.org/wiki/Wolfgang\\_Amadeus\\_Mozart](https://en.wikipedia.org/wiki/Wolfgang_Amadeus_Mozart)

**Benjamin Franklin** :Year(1706-1790) :Keyword(Philosophy)

[https://en.wikipedia.org/wiki/Benjamin\\_Franklin](https://en.wikipedia.org/wiki/Benjamin_Franklin)

**Christiaan Huygens** :Year(1629-1695) :Keyword(Science)

[https://en.wikipedia.org/wiki/Christiaan\\_Huygens](https://en.wikipedia.org/wiki/Christiaan_Huygens)

**Johannes Gutenberg** :Year(1400-1468) :Keyword(Communication)

[https://en.wikipedia.org/wiki/Johannes\\_Gutenberg](https://en.wikipedia.org/wiki/Johannes_Gutenberg)

**Galileo Galilei** :Year(1564-1642) :Keyword(Science) [https://en.wikipedia.org/wiki/Galileo\\_Galilei](https://en.wikipedia.org/wiki/Galileo_Galilei)

<https://plato.stanford.edu/entries/galileo/>

**Michelangelo** :Year(1475-1564) :Keyword(Artist) <https://en.wikipedia.org/wiki/Michelangelo>

**Leonardo da Vinci** :Year(1452-1519) :Keyword(Philosophy)

[https://en.wikipedia.org/wiki/Leonardo\\_da\\_Vinci](https://en.wikipedia.org/wiki/Leonardo_da_Vinci)

**Melvil Dewey** :Year(1851-1931) :Keyword(Ontology) <https://www.librarything.com/mds/179.1>

<http://classify.oclc.org/classify2/ClassifyDemo?wi=875688> [https://en.wikipedia.org/wiki/Melvil\\_Dewey](https://en.wikipedia.org/wiki/Melvil_Dewey)

**Lyman Frank Baum** :Year(1856-1919) :Keyword(Tale) [https://en.wikipedia.org/wiki/L.\\_Frank\\_Baum](https://en.wikipedia.org/wiki/L._Frank_Baum)

[https://en.wikisource.org/wiki/Author:Lyman\\_Frank\\_Baum](https://en.wikisource.org/wiki/Author:Lyman_Frank_Baum)

## Recent Messages

**'Mount and begone. The world awaits you.'** :Author(Mervyn Peake) :Year(1959) :Source Document(The

Gormenghast novels) :Keyword(Choice Chaos Explore) [https://archive.bookfrom.net/mervyn-](https://archive.bookfrom.net/mervyn-peake/40634-the-gormenghast-trilogy-titus-groan-gormenghast-titus-alone.html)

[peake/40634-the-gormenghast-trilogy-titus-groan-gormenghast-titus-alone.html](https://archive.bookfrom.net/mervyn-peake/40634-the-gormenghast-trilogy-titus-groan-gormenghast-titus-alone.html)

[https://www.azquotes.com/author/11447-Mervyn\\_Peake](https://www.azquotes.com/author/11447-Mervyn_Peake)

## Exploration

We classify and organize things hierarchically all the time – we are always using our little difference engines to judge things around us. The shared schemas concept of classifications has really helped communication and discussion. The [Dewey](#) Decimal Schema for [libraries](#) was a major step forward and there have been many more developed over the years. Yes of course they are subjective but they share some kind of shared subjectivity and are constantly assessed and argued by humans who tend to have

the skills, ability and interest to see things comprehensively with some awareness of their biases. We could call them shared schemas – like the dictionary, or place names or language in general.

The ABS and other reporting, scientific and Statistical agencies are always examining their [schemas](#) and frameworks for information analysis and debate. And so the ABS has developed a classification system for occupations – the jobs people do (see [International Labour Organization](#)). Of course those who do not work are in a separate category. What the classification agencies have done is create hierarchies of structure and lower and lower level of details (a bit like the Dewey numbering system). For example the First High Level Category is MANAGER then PROFESSIONAL and so on. There is an implied order and hierarchy to this classification. They are differentiated and **relatively different** to each other. (see *ABS 6160.0 - Jobs in Australia, 2011-12 to 2016-17* <https://www.abs.gov.au/ausstats/abs@.nsf/mf/6160.0>). More than that, they have arbitrarily added a **Skill Level** to each occupation – where the number 1 represents the highest skill level and the number 5 represents the lowest skill level. Managers are naturally level 1 as are the legal professionals. Whereas Automobile, Bus and Rail Drivers are level 5. Now the protectors of this classification would say that the 5 represents the lowest level **capability** required to do that occupation – not that the person in that job happens only has to have level 5 skills as such. But of course as is natural with the vainglorious and self-centered special ones – they will tend to think of themselves – as people – not the job – as having a skill level of 1 and thus they are the highest level of human person possible – whereas the train driver is a human only of level 5. You can see how being formally differentiated as “special” and “above” others may lead to swelled heads and a belief in their abilities in all things. You notice this of course with “celebrities” or politicians who believe their special opinion on anything or anyone is absolutely important and necessary to share with the world to bolster their importance and self worth. They owe it to their community that with great virtue that they love and respect all of “us” (the others) to lead the opinions and debate – their voice will help guide the nation – they are “helping” the rest of us.

The reality of course is completely different. The Train driver is a level 1 human who just happens to be doing a level 5 skill level job – and there are a whole lot of reasons which I will come to. Whereas the Manager or Legal professional may only be there because of nepotism, general favoritism or some other bias. We see this with managers on extremely high salaries who routinely manage organizations into the ground and destruction and walk away with huge payouts and move into boards and other organizations where all their similarly “skilled” managers and professionals ply their trade. There is a vested interest in keeping the “skill” level of these 1s opaque to the rest of us 2,3,4 and 5s so the 1s can keep defining their own success. They keep the performance bonuses ticking along nicely – because they are the only ones who would know what “greatness” of being a 1 human is.

So there is general world wide acceptance of scale and difference and of relative rankings or jobs and positions - indeed its ingrained, usable and sensible – except to the feminists and other idiotologists.

## **The Tale of The Paper Boy, The Bus Driver and the Manager**

For several years around my late High School years I was a paperboy. I had a 1959 VW beetle and would get up at 5 a.m. most days and go to Weetangera shops where the paper truck would drop the bundles

of papers onto the back bay. Doug – the other paper boy – and I would load them on to them back of the bay and then pull them inside the back of the shop where the rolling machines were (depending on who was there first). We had books all numbered with plastic sheets of addresses and a black marker would be drawn over the ones who did not need papers that day. There were also rolled up magazines with the addresses on it for people who got magazines left for us by the shop owner. Things changed all the time in a little ways – I delivered about 400-500 papers every day.

The rolling machines used a brown paper rolls and a glue box with clag. If you put too much glue in then the papers would become too sticky and wet with glue and not enough the brown paper role would not hold the paper together. If it was raining we had to include a plastic wrap over the papers which took more time.

My little VW had the front seat removed and a little mount in the central ashtray to hold the book. I had to have the internal light on so I could read the book and flip the pages. The car was stacked to the roof and I could just see out the front and my side window. In winter it was cold and dark so I tended to wear beanie, gloves and lots of warm clothes because the VW heater was not very good. It took an hour to role the papers and about an hour to deliver them so we would get back to the shop around opening time.

Driving through the streets of Hawker – through every street – with one hand on the wheel, watching the road, reading the book and reading ahead, reaching behind and in every direction of the car to find the particular paper or combinations of papers – the AGE was a heavy one and throwing the paper over the roof to land on the driveway was not easy. Springvale drive at speed throwing large papers required a deep understanding of physics, wind resistance, estimation of the prevailing conditions, temperature, recognition of water, puddles, predicted trajectories, physical strength and endurance, road conditions, capability of car and driver, other cars on the road, (early morning garbage trucks) and time critical judgments of a fixed timeline. If I was 5 minutes later than the usual schedule the customers would notice.

Sometimes when I got back to the shop people were ringing to complain that they did not get their paper. I was wrong several times of course by most of the time it was simply because the paper was in an unexpected spot - so instead of it landing perfectly on the driveway – I was a little out with my aim or the wind had blown up and the paper was in a bush 2 meters in the other direction. So if my accuracy or timing was off under a strict delivery timeline it had consequences to the customer and shop owner. I could always tell the customer exactly where the paper was on their property just by hearing the address – I remembered every event – I could visualize it. I could always say with a high degree of certainty whether I had delivered their paper or not. Sometimes I may have been wrong and the shop owner decided to just give them another paper anyway. Sometimes papers might have been taken, rolled down the gutter or somehow disappeared. I remember delivering to a man in a wheelchair in Hawker flats because a neighbor's dog would always come and steal his paper. Eventually he stopped deliveries because of that thieving dog. (500 papers in one hour is roughly 8 events a minute one event every eight seconds). Obviously there was an issue that if I became too accurate and predictable the

people would complain about the 3 feet difference in the landing spot of the paper on their driveway. This was an expectations management issue and realistic quality discussion.

My VW was maintained by a German immigrant (Ivan) who, lived in the next street who used to work in a VW factory in Germany. When I let that car go it had done over a million miles.

A bus driver is responsible for the lives of everyone on the bus. A city route bus driver will experience all the traffic and complex incidents which happen out there every day – as well as all the weather, and random events. Each day the driver greets the same people but also new people who will provide new challenges all the time. They see the vista of the road, traffic, people and environment and learn the patterns of people, traffic and complexity. They are in charge of a machine which is complex and may break down or experience accident through no fault of the driver. They may have to deal with individuals who cause problems on the bus or affect other passengers. The driver is in many ways a guardian of the care and safety – not just the transport of human life. This is considered a level 5 skill by the Elite (who are all ones). We remember the bus crashes which cost lives but we do not remember the managers who fail constantly and damage large numbers of people.

Now to the managers in their office with dominion and authority over others. Usually in constant habitual judgement of things and people and in constant surety of themselves. Every year they can get performances bonuses – which was a concept develop by the elite's to give themselves more money (what's the performance bonus for a bus driver – travel more miles?) Of course the top managers can achieve multimillion dollar bonuses for doing their jobs or achieving their view of “efficiency” by outsourcing everything to India, China or reducing services or raising prices. All of these managers are seen as “excellent” by their boards who are made up with that certainty of groupthink and smug righteousness that comes to those naturally devoid of intelligent exploration of the human condition. Everyone needs to work harder – no smarter – no more networked – no more adaptive – no lean in more, lean out more, hire more women, aborigines, wave the flag to virtue – what ever you do - play the games and take the money. So it is natural to get the extreme self centered narcissists, feminists and self driven activists inhabiting the well paid public managerial roles – the **games are all that they play** – there is **nothing else to them as human beings**. Lies, deceit, treachery, back stabbing, smug – all the corruptions inhabit the elites. AND OF COURSE to avoid all scrutiny they must always demean and judge others – anything to avoid detection. AND THEY BELIEVE IT WORKS – the **NAKED, SMUG, IN YOUR FACE, HYPOCRITES AND LIARS**.

Some managers just do their jobs as best they can – they don't play the games – they do work facilitating, assisting and supporting their staff, planning, solving problems and dealing with issues which arise – just like the bus driver has to – because they know it's the staff who do the real work and they really only exist to help them do their job. These types of managers are a seen as a threat to other managers and many will play games to undermine them.

## Hypocrisy of the Idiotologists

So apart from this drive to certainty there is this drive to (certain) **equality for designated victim groups** (to eliminate all complexity) – which started as opportunity but is now tokenism and positive discrimination. **Identity politics is all there is left** – it is who you are and who you identify with – not what you have learned or are capable of - it is now the case where politicians, so habitually used to lying and pretending and **getting away with it** (i.e. extreme inauthentic behavior) pretend to be native indians, noble savages, disabled, war veteran, a race, a religion, migrant, transgender, women, etc so they can claim specialness in all designated victim categories and therefore be “special” above all. All the time screaming “equality” and “bigot” at those who call them out. This is beyond hypocrisy. This is a level of insanity that somehow the feminists have managed to master. Somewhere in their brains they have ceased to care about coherence or even bothering to notice those “others” (Humans) around them – this extreme hatred and abuse of all other humans other than “themselves” comes so naturally to them. It is like they have flicked a switch and can isolate different parts of their brain

*([https://en.wikipedia.org/wiki/Corpus\\_callosum](https://en.wikipedia.org/wiki/Corpus_callosum) However, advanced analytical techniques of computational neuroanatomy developed in the 1990s showed that sex differences were clear but confined to certain parts of the corpus callosum, and that they correlated with cognitive performance in certain tests.[13] One recent study using magnetic resonance imaging (MRI) found that the midsagittal corpus callosum cross-sectional area is, after controlling for brain size, on average, proportionately larger in females) which do not have to connect well with each other. You have seen the faces of feminists that when you call out some logic flaw their face changes they go all quiet and change the subject or they have learned to have a tantrum and scream. They just move to a different part of their brain and operate from that part instead of the discussion and logic part you thought you were talking to. You find yourself having to talk to their memories or feelings and imagination rather the lack of coherence or structure in their argument. This can be entertaining on a personal relationship level but putting this type of thinking in charge of anything important in the public service sphere is dangerous. Hysteria is only part of their complex process.*

Simultaneously holding the view that we are all the same but women are special, we are all equal – but specially different – or there is no such things as different , more skilled, less skilled, more capable, less capable, faster, slower, more intelligent, less intelligent, “Right”/”Wrong” is currently at the heart of all feminist dominated endeavors (schools, politics, public service, law, human (HA!) rights, etc). It is the very definition of incoherent insanity. No wonder our children are not learning anything.

Children learn how to integrate their ideas progressively as they learn what “sense” and structure is and they also learn to **concentrate and focus on ever increasing complexity** of tasks instead of just meandering discognitively around in their own imaginations. One of the differences between men and women (on average) is that men are more conscientious using the big 5 personality traits. Women are also more neurotic and agreeable than men (on average).

Hatred of all men by women and weak men sycophants (look up cuttlefish story by Douglas Murray) is now entrenched and a constant theme. The mental health industry are of course are making a killing -



by pandering to insane women and encouraging their dysfunctions and supporting the continual abuse of males with drugs, expert opinions, family courts, “counseling” services and judgements.

At the start of school - children are told they are both “special” and “equal” (except for all grown men of course) – which is fundamentally insane. I mean this is not just calling the father “the sperm donor” – it is far more destructive to all humanity than that. You cannot be the same and different at the same time. There is nothing sensible or coherent for a child to build structurally in their mind – except a constant realization – for the females of course – that they can do or say whatever they want whenever they want all the time. **Hillary Clinton** <https://www.goodreads.com/quotes/503123-women-have-always-been-the-primary-victims-of-war-women> and probably many other women like her surely do not think they are insane or even controversial do they? I mean - was she joking? – it all seems so normal and sensible to them. Is she seriously arguing that not losing your life is worse than losing your life? Really? Does she have any idea of what that logic actually implies or could lead to? What is she ? - a wacko apologist? [https://en.wikipedia.org/wiki/Waco\\_siege](https://en.wikipedia.org/wiki/Waco_siege) What has she drunk from the fountain of wisdom? [https://en.wikipedia.org/wiki/Drinking\\_the\\_Kool-Aid](https://en.wikipedia.org/wiki/Drinking_the_Kool-Aid)

I am sure you have seen the black and white film footage of Mussolini [https://en.wikipedia.org/wiki/Benito\\_Mussolini](https://en.wikipedia.org/wiki/Benito_Mussolini) speaking to the adoring masses from the balcony. How self aware was he I wonder?

## Everyone is a Hero

Doing your job well is now heroism. Gallantry, knighthoods bestowed.

Heroism versus collective equality – equal opportunity and feminist idiotology.

Applauding in large groups – giving each other a pat on the back. The Bestower and the bestowee.

Humans do not need other’s approval and constant judgment. I doubt that anyone in my lifetime will recognize, understand or appreciate anything I have ever done or said. I don’t expect it – it is not my focus. I have to work out what is important and going cap in hand to a princess who rewards you is beneath human dignity. The title of hero is the rubbish of the weak minded. Thousands of years later humans will discuss what a single human was and what they did and explore the complexity. The simplistic virtuous – firefighters are heroes, nurses are heroes, doctors are heroes, politicians are heroes, “be my hero husband of mine” (or I will have a tantrum,, etc), etc – all their Arthurian Quests that the little psychopathic princess sends their hapless knight on to save them and the other “victims”. Men need to read about:

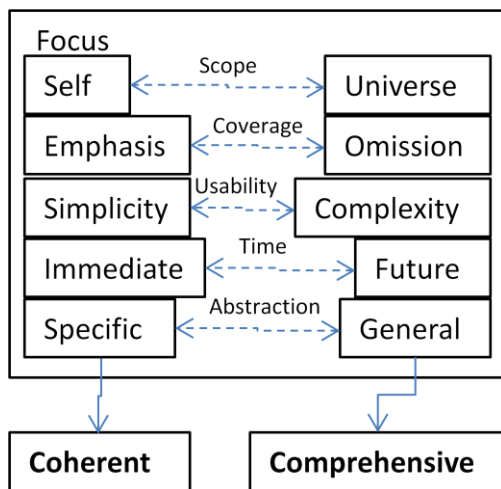
***Yvain, the Knight of the Lion*** :Author(**Chrétien de Troyes**) :Year(1180) :Keyword(Group Hypothesis Choice) [https://en.wikisource.org/wiki/Yvain,\\_the\\_Knight\\_of\\_the\\_Lion](https://en.wikisource.org/wiki/Yvain,_the_Knight_of_the_Lion)  
<https://www.gutenberg.org/files/831/831-h/831-h.htm>  
[https://en.wikipedia.org/wiki/Yvain,\\_the\\_Knight\\_of\\_the\\_Lion](https://en.wikipedia.org/wiki/Yvain,_the_Knight_of_the_Lion)

**Lancelot, the Knight of the Cart** :Author(**Chrétien de Troyes**) :Year(1185) :Keyword(Group Hypothesis Choice) <https://www.poetryintranslation.com/PITBR/French/DeTroyesLancelotPartIV.php>  
<https://www.gutenberg.org/files/831/831-h/831-h.htm>  
[https://en.wikipedia.org/wiki/Lancelot,\\_the\\_Knight\\_of\\_the\\_Cart](https://en.wikipedia.org/wiki/Lancelot,_the_Knight_of_the_Cart)

**I do not expect anything other than authentic life.**

## Understanding Coherence and Comprehensiveness

In the focus model I have developed you will note that on the 5 SCUTA continuums there is a progress from a detailed view (known certainty) to wider, broader, further away – view (the hypothesis space/time). This roughly equates to the x Axis concept and the Power law concept – where the left side of the axis is towards the **fluxions** or **infinitesimals** and the right side of the axis is towards the higher powers. <https://humanistman.com/wp-content/uploads/2020/04/15-Humanism-Corruption-Nation-Choice-Virtue.pdf>



Under this type of mode we get the notion of **Coherence representing** the connectedness of the nodes. In Percolation theory this is connectedness, clusters. Other terms are cohesion, conglomerate, coagulate, coalesce, stickiness, etc. In a visual graph sense it is like having the “right” optimized links between nodes – enough but not too many. In an Architectural sense it’s the foundations and supporting structures which allow the variations in the architecture and development to take place (think Eiffel Tower). In Math it’s the consistency of symbols and formulas and reuse of existence structures and formulas (the well worn paths). i.e. pi , 5 , power laws and universal constants. In scientific proofs it is the lack of opposition to the hypothesis and the alignment with other successful hypotheses. (**not** popularism (**bias dominated**) – more like **structurally sound (anti bias)**).

Tantalizingly there exists a hypothesis from the small world notion and Ramsay’s work (*Frank Plumpton Ramsey* :Year(1903-1930) :Keyword(Philosophy) [https://en.wikipedia.org/wiki/Frank\\_P.\\_Ramsey](https://en.wikipedia.org/wiki/Frank_P._Ramsey)  
[https://en.wikipedia.org/wiki/Ramsey%27s\\_theorem](https://en.wikipedia.org/wiki/Ramsey%27s_theorem)), Euler, etc - that **cohesion may be defined and measured for optimization** – is it bounded (certain) or unbounded? This relates to statistics, distributions, normalization, degrees of freedom, regression, travelling salesman problems, nearest

neighbor, etc. It's the harmony in music and the structure to the rhythms and voices; it's the flow into periodic doubling the chaos in chaos theory; it's the colour, edges and bounds in painting; It's the flow and journey in [Henry](#) Spencer Moore's sculpture; it's the structure of plot, play, novel, book; it's the journey and story of a poem, song or bards tale; it's the organization structure with ability to be flexible and learn; it's the flow of supply chains and logistics; it's the periodicity of orbits of electrons, planets, stars, galaxies; it's snowflakes forming in patterns; it's well designed roads, traffic lights, communication systems, Erlang's [Queue theory](#); it's the separation of certainty (powers) in nation states; it's the progressive choices, responsibilities, exploration, risk, investigation, etc in most things. It's the Quantum Harmonic Oscillator [https://en.wikipedia.org/wiki/Quantum\\_harmonic\\_oscillator](https://en.wikipedia.org/wiki/Quantum_harmonic_oscillator) and the Reimann hypothesis [https://en.wikipedia.org/wiki/Riemann\\_hypothesis](https://en.wikipedia.org/wiki/Riemann_hypothesis) and Prime number pairs and types. As it turns out the complexity of even a simple Ramsey (5,5) number has no perfect solution – just lower and upper bounds and probability. i.e. **coherence cannot be certainly defined** - And we can continue to hypothesise and explore that idea.

The possibility of optimized cohesion excites the explorers to try to find certainty in patterns like prime pairs, complexity, etc. Euler's steps away from center and the paths was re-imagined by one of the world's recent most prolific mathematicians **Paul Erdős** :*Year(1913-1996) :Keyword(Maths)* [https://en.wikipedia.org/wiki/Paul\\_Erd%C5%91s](https://en.wikipedia.org/wiki/Paul_Erd%C5%91s) <https://www.ams.org/notices/199801/vertesi.pdf> <http://mathshistory.st-andrews.ac.uk/Biographies/Erdos.html> and solved by a gifted Australian mathematician **Terence Tao** (*Terrence Tao :Keyword(Maths)* <https://terrytao.wordpress.com/> [https://en.wikipedia.org/wiki/Terence\\_Tao](https://en.wikipedia.org/wiki/Terence_Tao) <https://acems.org.au/our-people/terence-tao> <https://terrytao.wordpress.com/2015/09/11/the-erdos-discrepancy-problem-via-the-elliott-conjecture/> **The Erdős discrepancy problem via the Elliott conjecture.**

THEN : We can also imagine then that **comprehensiveness** is an idea in **some tension with coherence**. Comprehensive is more about exploring the outer reaches of hypothetical possibilities, of all the paths and regions in space/time/dimensions **AS WELL AS** (i.e. there are two different but related meanings) – a completeness of path searching – going down all the **known paths** (“leave no stone unturned”) to make sure all paths, nodes, links are mentioned. “leave no-one behind” UN Sustainable development [https://sustainabledevelopment.un.org/content/documents/2754713\\_July\\_PM\\_2\\_Leaving\\_no\\_one\\_behind\\_Summary\\_from\\_UN\\_Committee\\_for\\_Development\\_Policy.pdf](https://sustainabledevelopment.un.org/content/documents/2754713_July_PM_2_Leaving_no_one_behind_Summary_from_UN_Committee_for_Development_Policy.pdf) i.e. **extreme** comprehensiveness. “No child shall live in poverty”, “No-one will die”, “I will eliminate all crime”, “Everyone will have opportunity”, “everyone is equal under the law” (except all toxic white men of course as the feminists and other groupthink based anti-humans would say). The other notion of comprehensiveness is the exploration of hypothesis of the possibilities of “otherness” rather than known “same”. Politicians use this comprehensiveness lie all the time – their self deceptions are many but the first one is: that they think they have any idea of what a comprehensive statement is. They think they can speak with certain authority about anything comprehensively. **They think they know the universe and all futures or they are the ones most virtuously positioned to know.**

**There is enormous potential space/time to hypothesize and explore comprehensiveness.**

Given the lack of certainty and the enormity of the hypothesis – many are happy to take short cuts or ignore the hypothesis all together – we call these the certiantists – the extremists – who want to eliminate all hypothesis, conjecture and discussion – not only in their own minds but in everyone else’s as well.

Then there are the patternists (a certain pattern) – can feel a pattern and sense it but they too can tend to certainty. Consider the vibrating stringed instrument and the harmonic frequencies, the ripples on a pond when you drop a stone into it, the periods and cycles of events, the ebb and flow of tides, seasons, etc. There are strong patterns in the universe at many levels. Some see this as the golden ratio, perfect numbers, balance, harmony, resonating frequencies, rule of three, rule of thirds (art), perspective (art), “Zen”, Go with flow, Poetry, Ryhme Royal [https://en.wikipedia.org/wiki/Rhyme\\_royal](https://en.wikipedia.org/wiki/Rhyme_royal), architecture, proportionality, optimization, etc. **Here too there is much to hypothesize and explore.**

The desire to find certainty (other than death) is strong in humans and they will tend to fall back to certainty – and feel well and good about it – than explore and hypothesize or even engage with others who do. The problem is when the smug certiantists want to control everyone else.

This certain SMUG SAMENESS is the homicidal maniac of relative difference. That humans are relatively different in infinitely different ways is **too disturbing to those humans who have the certain view** – their virtuous best/optimal architecture. Many believe it is the ONE tribe against all other tribes – the instant division of all others allows us to become certain and same – all dressed up in the same clothes, with the same haircuts, the same education, do the same jobs, learning the same things, taking the same paths, behaving the same way, greeting each other with the correct sameness as we pass each other in rooms, being monitored by the acolytes who watch the monitors of internet, libraries, schools, universities, video cameras, thoughts, expressions of ideas, making sure no-one deviates from the sameness that we are so certain of. The strength of the ONE TRIBE over OTHER TRIBES. – until what exactly? ONE TRIBE runs the planet? In perfect unison and sameness? I mean really? What were you thinking? [https://en.wikipedia.org/wiki/Metropolis\\_\(1927\\_film\)](https://en.wikipedia.org/wiki/Metropolis_(1927_film))

## Messages

*'We Learn, therefore, in ways the variety of which is as great as the variety of our souls, and we draw the life-giving water of knowledge from an infinity of wells (Page 420 concluding reflections)'*

:Author(**Richard Burdon Haldane**) :Year(1921) :Source Document(The Reign of Relativity)

:Keyword(Development Diversity Group)

<https://archive.org/stream/reignofrelativit00halduoft?ref=ol#page/n8/mode/2up>

[https://en.wikipedia.org/wiki/Richard\\_Haldane,\\_1st\\_Viscount\\_Haldane](https://en.wikipedia.org/wiki/Richard_Haldane,_1st_Viscount_Haldane)

*'So I believe that dreams—day dreams, you know, with your eyes wide open and your brain-machinery whizzing—are likely to lead to the betterment of the world. The imaginative child will become the imaginative man or woman most apt to create, to invent, and therefore to foster civilization. **A prominent educator tells me that fairy tales are of untold value in developing imagination in the young. I believe it.**'*

:Author(**Lyman Frank Baum**) :Year(1917) :Source Document(The Lost Princess of Oz )

:Keyword(Development Choice Explore) [https://en.wikisource.org/wiki/The\\_Lost\\_Princess\\_of\\_Oz](https://en.wikisource.org/wiki/The_Lost_Princess_of_Oz)

[https://en.wikisource.org/wiki/Author:Lyman\\_Frank\\_Baum](https://en.wikisource.org/wiki/Author:Lyman_Frank_Baum)

"A great misfortune has befallen me," he told himself, "for hereafter I cannot tell people I am wise, since it is not the truth. The truth is that my **boasted wisdom is all a sham**, assumed by me **to deceive people and make them defer to me**. In truth, no living creature can know much more than his fellows, for one may know one thing, and another know another thing, so that wisdom is evenly scattered throughout the world. But—ah me!—what a terrible fate will now be mine. Even Cayke the Cookie Cook will soon discover that my knowledge is no greater than her own, for having bathed in the enchanted water of the Truth Pond, I can no longer deceive her or tell a lie." :Author(**Lyman Frank Baum**) :Year(1917) :Source Document(The Lost Princess of Oz - Chapter 13 The Truth Pond) :Keyword(Development Choice Truth) [https://en.wikisource.org/wiki/The\\_Lost\\_Princess\\_of\\_Oz/Chapter\\_13](https://en.wikisource.org/wiki/The_Lost_Princess_of_Oz/Chapter_13) [https://en.wikipedia.org/wiki/L.\\_Frank\\_Baum](https://en.wikipedia.org/wiki/L._Frank_Baum)

'It need not be doubted, but from **such a master Thucydides was sufficiently qualified to have become a great demagogue**, and of great authority with the people. But it seemeth he had no desire at all to meddle in the government: because in those days it was **impossible for any man to give good and profitable counsel for the commonwealth**, and not incur the displeasure of the people. For their opinion was such of their own power, and of the facility of achieving whatsoever action they undertook, that such men only swayed the assemblies, and were esteemed wise and good commonwealth's men, as did put them upon the most dangerous and desperate enterprizes.' :Author(**William Molesworth**) :Year(1839) :Source Document(The English Works of Thomas Hobbes, vol. 8 (Thucydides' Peloponnesian War Part I) [1839]) :Keyword(Politics Choice Group) <https://oll.libertyfund.org/people/sir-william-molesworth>

'To keep the matter in perspective, let me repeat what I said at the beginning of this essay: that in England the **immediate enemies of truthfulness, and hence of freedom of thought, are the press lords, the film magnates, and the bureaucrats**, but that **on a long view the weakening of the desire for liberty among the intellectuals themselves is the most serious symptom of all**' :Author(**George Orwell**) :Year(1946) :Source Document(The Prevention of Literature) :Keyword(Politics Freedoms Truth) <http://4umi.com/orwell/literature> <https://www.orwellfoundation.com/the-orwell-foundation/orwell/essays-and-other-works/the-prevention-of-literature/>

## Comments on Random Graphs, Percolation, Lattices and other math

From my perspective I find the work from 1980s until 2020s quite interesting with graphs, edges nodes and the universe being explored by many people in lots of ways. I notice that computers have helped but also too with more people having access to the math – more and more links and connections are being made between previously unrelated areas of research. There is greater recognition of the linkage of concepts and formulas. Much if this has been facilitated by libraries but now online collections and sharing platforms like <https://www.wikipedia.org/>

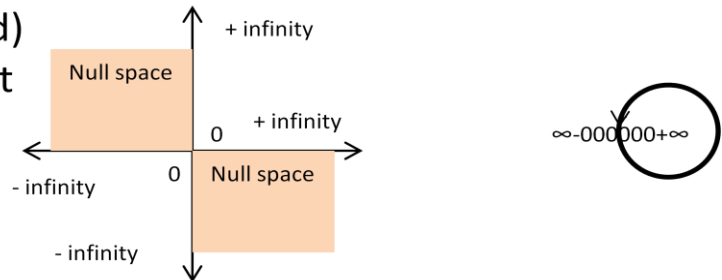
The general techniques of simplification, abstraction and rules are still in place but I don't see yet much more meaning or insight. Time/space/distance is still the biggest problem – as it seems closely bound to everything yet somehow not easily explained coherently.

In my model - compared to the work on graphs and Percolation - **I notice**, that instead of using numbers to represent precision and abstraction (decimal points and length of number) on a universal

number plane of infinite positional digits, the current math models as described by Wikipedia looking at complex random graphs and related topics seem to be using the idea of negative numbers i.e. that negative numbers represent – the infinitesimals direction – the magnitude issue, the power law stuff, Euler’s number etc. I might have misinterpreted that. But in my model the negative direction does not mean power law – it means exactly that – direction only a singular line one way or the other. Sure it’s a bit like a power up or down – and it may turn out to be that – but in my model it has more to do with flow of events (time, distance, energy) and not flow of precision (power law and abstraction) - Mostly corresponding with pathing, taking steps along paths.

So really for me it is about what the number represents. Maybe there is this “pairing” of ideas that exist within the very notion of “number” itself. Maybe it’s a question of whether the number is a thing (mass, existence) or an event (energy, process, journey, path)? So maybe we see the tension in math around this competing division, continuum of frame from the very beginning? It is definitely not clear to me. See <https://humanistman.com/wp-content/uploads/2020/01/Corruption-Measurement-and-Implementation.pdf> **First Principles of Measurement**

X = Number of Digits (signed)  
 Y = Position of Decimal point (signed)  
 +Y (Not) > +X, -Y (Not) < -X  
 0 = X = Y at intersection



The Model above has a strong relationship with many things and I recently noticed this as well ([https://en.wikipedia.org/wiki/Weierstrass\\_factorization\\_theorem](https://en.wikipedia.org/wiki/Weierstrass_factorization_theorem) the Weierstrass factorization theorem asserts that every entire function can be represented as a (possibly infinite) product involving its zeroes.)

It is possible that numbers mean similar but different things. For example if you consider an apple – it usually falls from one tree – one tree may produce many apples. One orchard can contain many trees. One environment can contain many orchards. For the life of the apple – it is unaware of the choices made and journey it takes to exist as an apple. From an objective point of view it is one long continuum from the creation of the environment onwards – a long and continuing series of intertwined events without necessarily a defined start or end. Yet when the apple exists there are other apples around it which all look very similar. These we could arrange and count with numbers. If we discovered other apples in other parts of the universe then we could count these as well with numbers. But even though these apples can be numbered and counted what we can see is that we arbitrarily defined a certain constraint of conditions which turns things from simple outputs of a continuum to a thing. The apple takes some kind of sure/certain thingness – a mass. Yet what about the collections of trees, orchards and environments? Well they have taken some kind of sure/certain thingness – some mass, definition and certainty as well – and they too were some kind of production on a continuum of never ending

events. But here is the point – the journey one has to take to see all the apples is one through the path of trees, orchards and environments – a hierarchical path journey of sorts. – a Euler’s walk across levels. We see the next orchard before we see the trees and before we see the apples on the trees. So we get the notion of locality – a local universe. A single apple sees itself as self. When the apple notices apples around it - each of the apples can count each other in their locale. If the apple notices the other tree next to it they might tribally consider themselves apples. They are close locally – the more exploration they take the greater their understanding of apples becomes. Each is a little stepwise development – another boundary to explore. So we get the notion of counting these steps and you can see the exploration from the locale of the tree to all the other trees in the orchard and then to other near orchards on so on requires being able to not only recognize apples but trees, orchards and environments – these are the hierarchical levels and present a number which is fundamentally similar but different to the counting of the apples. Recognizing Orchards is NOT the SAME as recognizing apples. Orchards are a little less certain and more variable. One type of number is a counting of sameness and the other type of number is the counting of levels, paths, journeys and recognition. This may explain the underlying tensions with math. It ties together energy (time and distance) AND mass and it may mean we have to speak of numbers only within the context we are using them and not as some completely abstract and unattached thing – it must have some context at least to the notion of sameness and the notion of path. Again this feature of two’s or pairs working together.

You may notice apples somewhere and it is not an orchard – it is something else. Do you create a new level? A New method of apple discovery? Or do you modify your methods to include the new type of method/orchard. This too is at the heart of the coherent and comprehensive debate – about navigation and optimization methods - the constant exploration, discovery, hypothesis, learning , progress and optimization of time, space and energy.

**Joseph Louis Lagrange** (*Joseph-Louis Lagrange :Year(1736-1813) :Keyword(Math)*)

[https://en.wikipedia.org/wiki/Joseph-Louis\\_Lagrange](https://en.wikipedia.org/wiki/Joseph-Louis_Lagrange)

<http://17centurymaths.com/contents/lagrange/bk1/article1.pdf>

<http://www.gutenberg.org/ebooks/author/38388>) explores this type of energy expenditure on paths concept well in this book of his lectures but in particular on page 34 on the **Rule of Threes**. (*Lectures on Elementary Mathematics :Author(Joseph Louis Lagrange) :Year(1788) :Keyword(Group Philosophy Maths)*)

<http://www.gutenberg.org/files/36640/36640-pdf.pdf>

<https://archive.org/details/lecturesoneleme00lagrgoog/page/n13/mode/2up>

[https://en.wikipedia.org/wiki/Joseph-Louis\\_Lagrange](https://en.wikipedia.org/wiki/Joseph-Louis_Lagrange) )

## **Apples ain’t Apples, Numbers ain’t Numbers**

All apples are not the same – they are just the same enough to use a group term Apples. If we were to imagine there that were 100 billion apples at any given time all existing then each apple experienced its own journey to get there to exist. 100 billion different paths along a continuum of space/time/distance events until there came a point in time and space where it existed. It may well be that that path back to beginning comes also from one single event, cell, mutation but then other smaller changes happened over time on all the different branches and paths. Apples all the same but all different.

Now these apples exist in a number of space/time places and to get there (the places where other apples now exist) ,journeys and choices have to be made. It takes real effort and exploration. Finding a new environment is one step but you had to leave your local tree and your local orchard and your local environment to get there – you already had to take 3 steps away. So after taking 3 steps you might find another environment. Then you might observe orchards or you might observe apples or you might observe trees. If you observe an apple you might ask “is there a tree which produced this or was this apple produced another way? “If you find an apple tree with no apples you might ask “is this an apple tree or not?” There are a series of questions that you carry with you – hypotheses – from your knowledge of your own locale. On this exploration you expend energy over time/space/distance and steps but also on asking questions and seeking answers to improve your knowledge. You hypothesize and explore. You arrange these group concepts as hierarchies in your mind – which also tend to relate to energy, process, time and distance. e.g. *Two gentlemen from Verona* carrying an apple.

So the math or complexity, choices, probabilities, permutations, combinations, paths – all seem to apply to the second kind of thing the process, energy, step count – and this is closely related to my concept of coherent (i.e. it’s a usable, optimal and achievable journey). Whereas the number which represents the count of the apples is another thing altogether – this type of number seems to be more of **definitional thing** – a set theory framework that **has more to do with comprehensiveness and infinity**. Both number concepts are similar and on a continuum but towards different ends. Einstein’s work shows the energy mass equivalence and this manifests itself in how we describe the mass of subatomic particles in energy units instead of mass units and large objects in mass units rather than energy units. It’s a matter (*tish boom*) of **where you draw the line**. The characteristics of the numbers and formulas I believe differ because of this. It may be a GUT consideration thing. (Grand Unifying theory)

## Thoughts about clumping, overlaps, cohesions

There are many studies around the idea of stability, homeostasis of populations, particles, chemicals, organizations, stars, etc. There are many formulas and observations around this stuff. I suppose that in search of a grand unifying theory one could spend millions of dollars on research and white papers or one could simply hypothesize and discuss in an appropriate level of abstraction and uncertainty some general principles and ideas – chew the fat (“metaphysics”, “philosophy”) – so to speak – about a number of ideas and issues. In this way we could practice communication and exploration – we could note each other’s personal journeys while at the same time sharing a discussion of the surrounding issues and patterns we have noticed along the way. We could call this communication and we could seek to understand what each other might be able to share with us to help us understand things and maybe share with others. These are the things we might choose to do.

So we could hypothesize of the perfect certain world – for what end? Does it get more nihilistic than that?

If I hypothesized that a “good” society is one where each human has at least 5 “concepts” in common with at least 5 other humans – is this cohesion? Shared values – shared time, shared beliefs, shared songs, flags, marches, propaganda? Is there such a thing? What is the “right” amount of sameness or



difference on what measure? We all pay the same rate of TAX? We all work? We all speak the same words (but mean different things when we say them)?

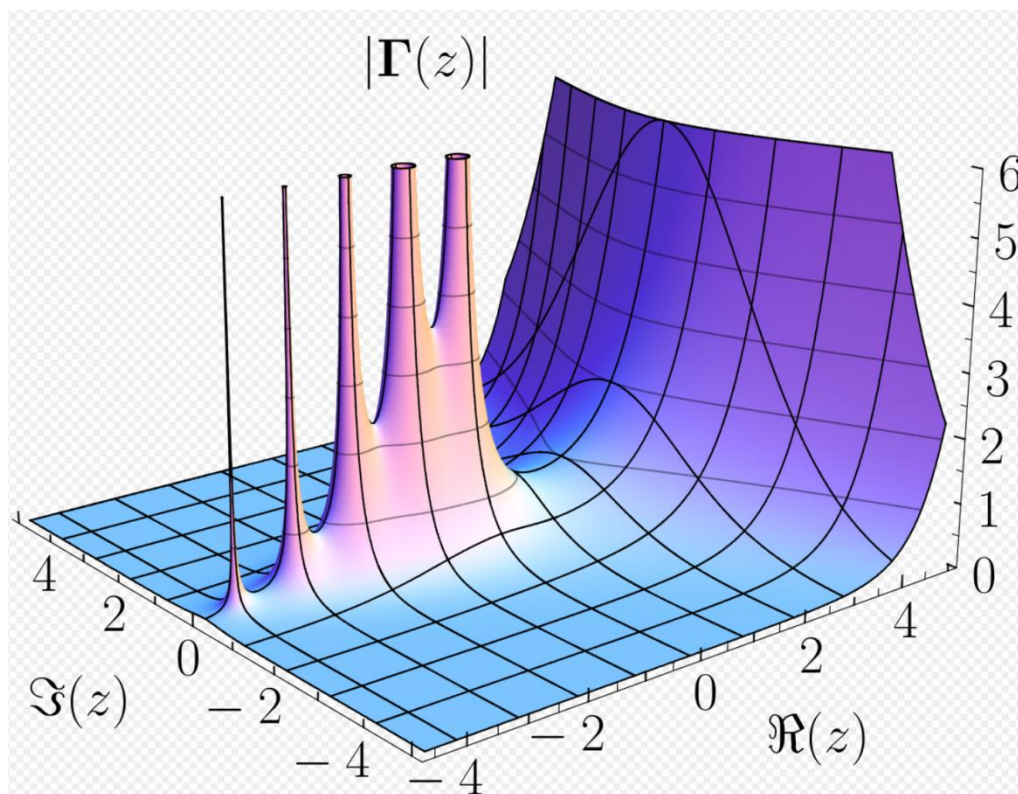
Maybe it is more about not killing each other? We share the SAME views on Bad?

This too seems an interesting area to hypothesize and explore while trying to avoid too much certainty.

Complexity is being studied more than ever and **perfection remains elusive**. It tends to clump around pi and 5 or usually from the observer's view outwards no more than 3 sensible steps in any direction – 4,5 steps become more difficult, less certain and more costly. Wave functions expressed in trigonometric terms of sin, cosine and tangent, radians with pi give good exploration methods for complexity. Consider the Gamma Function.

[https://en.wikipedia.org/wiki/Holomorphic\\_function#/media/File:Gamma\\_abs\\_3D.png](https://en.wikipedia.org/wiki/Holomorphic_function#/media/File:Gamma_abs_3D.png)

By Geek3 - Own work, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=5156881>



[https://en.wikipedia.org/wiki/Holomorphic\\_function](https://en.wikipedia.org/wiki/Holomorphic_function)

The Gamma function is used quite a lot in math [https://en.wikipedia.org/wiki/Gamma\\_function](https://en.wikipedia.org/wiki/Gamma_function) (*The fact that the integration is performed along the entire positive real line **might signify** that the gamma function describes the **cumulation of a time-dependent process that continues indefinitely, or the value might be the total of a distribution in an infinite space.*** ) and I have just noticed that if you observe the zero, zero, zero point you can see the “columns” rising up – notice the two towers of equal size – the

strength of the pair - ability to “rise up” (certainty) the other dimension (the gamma function) – almost architecturally. Note as well the shapes away - 3 steps away from the zero, zero, zero point and the “wider” or “Narrower” of the shape. Maybe this why the gamma function is so useful for complexity analysis. It seems like a good model to me. Does it visually demonstrate exploration and certainty? Can it help model homeostasis, entropy, hypothesis and exploration? Is comprehensiveness represented by that directionless unclumping space and certainty those peaks and well worth paths?

This is my confirmation bias speaking. Let us examine this graph more closely (I mean graph in all of its meanings – note that the numbers 0,1,2,3 are arbitrary measures of anything – we can think of every point on the “surface” as a node and edges between them - infinitely - and the whole numbers as Pi path like steps of energy away (hierarchically). We note that the two highest towers next to each are the strongest “same” things - they have just over 3 gamma function (steps) things in common (it’s the most of anything) - and they could travel every upwards along narrower paths. Note also that one of the pairs is closer to the wider space on the right which travels up wards and outwards 5 steps away and that the other tower is closer to the tower structures which stretch upwards and along the one path direction step by step. This seems to be a fundamental choice framework. What does the pair choose to do together? - Form more certain narrowing paths or open up the dimensions a bit? - a little more certainty and sameness or a little less certainty and sameness but still on the surface? You can imagine that from the perspectives of each of these in the pair of towers is slightly different – they see the world in slightly different ways. We could also imagine that life somehow had coded things in our universe so these pairs formed quite strongly and had certain sameness to allow the pairs to coexist and therefore bring certainty – existence - into the universe. But they manifest this existence as a pair with a slight difference in perspective – just enough to have choices in many directions and path/energy lengths needing communication, and cooperation to move the pair along the surface of the graph.

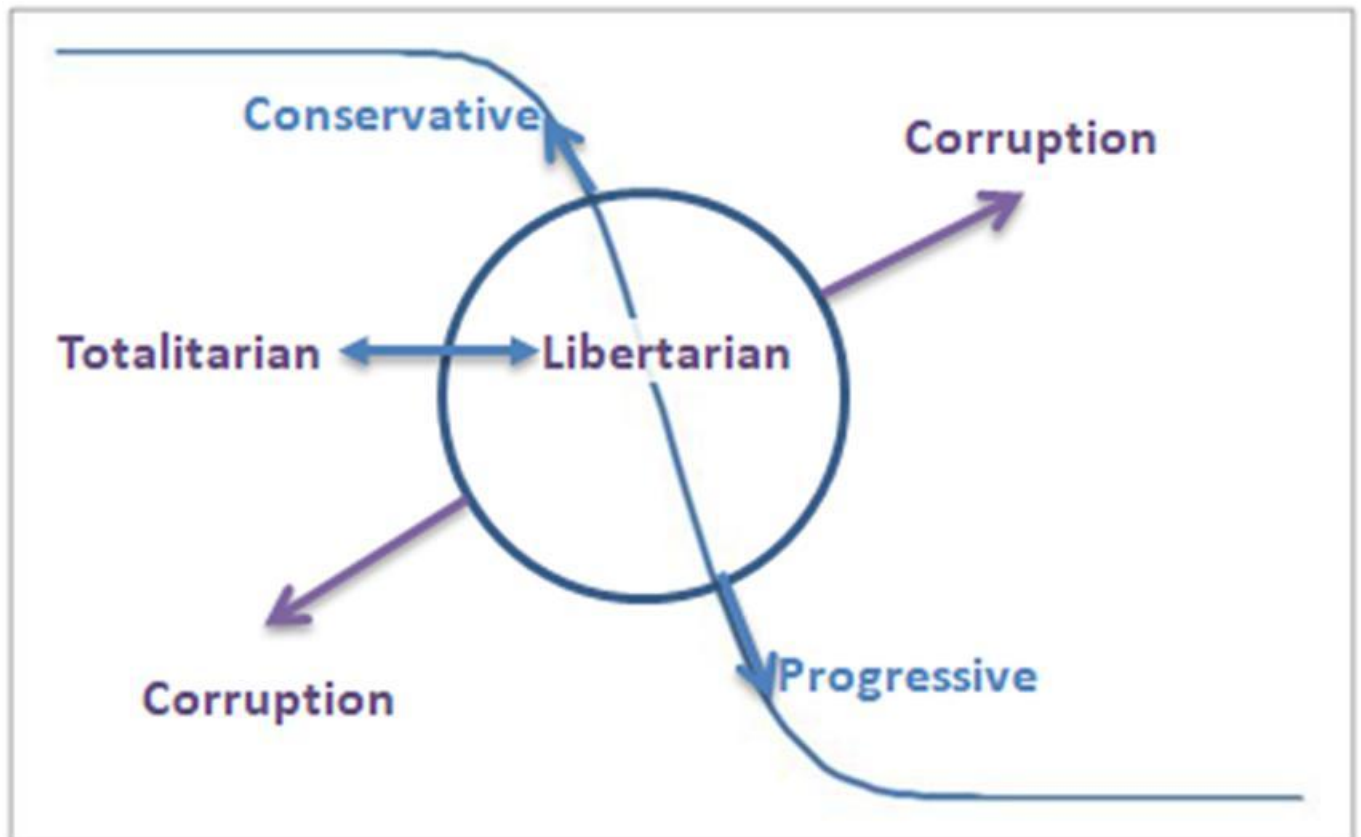
Legendre seems to have a deep understanding of this (at least as insightful as fermat according to some) yet his works are not widely published freely – but his insights continue to be explored. **Adrien-Marie Legendre** :Year(1752-1833) :Keyword(Math ) [https://en.wikipedia.org/wiki/Adrien-Marie\\_Legendre](https://en.wikipedia.org/wiki/Adrien-Marie_Legendre) <https://archive.org/details/elementsgeometr01unkngoog/page/n14/mode/2up> <https://www.britannica.com/biography/Adrien-Marie-Legendre>

I like this graph more and more I look at it. It seems to convey a big difference in the peaks side to the vast unknown other side. The journey from the peaks has to go down 3,4,5 steps to 1 to get to see the wide open spaces on the rising gradients on the right hand side. Remember this function is just numbers – the power function and the e (which is the recurring series number) which gives us infinity, recursion, self reference and infinite precision (e). Some the numbers do not meaning anything other than a pure number with those features. It’s not apples or steps – maybe it covers both? The wide open space is the definitional, comprehensiveness issue and the peaks are indications of steps.

Then the question arises about space, time, energy and distance? Well I think the energy, space and distance can simply be covered by just the numbers but the time thing is not so easy. It might well be that time is seen by us as being the journey from left to right – where we have come from to where we might be and the next step to the right requires a significant couple of steps down before we can come

out to a new peak (of certainty) on the other side and then bring that least peak along with us as a new pair? Then the peaks further away start to wither and fade. Is that the journey? When this picture is compared to my various models of schemas and knowledge it seems to make some sense in a time dimension. See <https://humanistman.com/wp-content/uploads/2020/04/15-Humanism-Corruption-Nation-Choice-Virtue.pdf>

and also <https://humanistman.com/wp-content/uploads/2019/10/Debates-Human-Difficulties.pdf>



### **Marxism, Communism, Nazism, Feminism, Libertarianism – isms, Materialism, Idealism, Idiocracy – how wrong can you be?**

Many have delved into the topic of social engineering - now called “political science” (doesn’t that sound clever - it’s a “science”) – describing **how everything should be** in the world with some degree of certainty. They call it an “ism” and use vague but nice sounding terms. Most of the ism creators are not mathematicians or scientists – they tend to come from another skills selection. Many just become “philosophers” without necessarily working diligently, checking their biases and assumptions, or studying any one thing in any great detail (you know the type – it is that earnest and exciting under graduate type investigation of ideas combined with a change the world in-grained self belief). Others reading these “ism” books grab on to the various flags of certainty and form groups and cliques and use tribal mechanisms (lies, bias, corruption, abuse, violence, etc) to control, dominate and subdue others

to their greater learning and insights – the one “true” certain path. They do this as **crusaders** expressing their love of other humans by demonizing them and killing them.

Some thinkers came along and wrote critiques of some people’s books and thinking. Then others came along and wrote critiques of their critiques. The whole schools of critics grew - each – critical of everyone else’s book and thinking – forever happily certain of their permanent job criticizing others explorations. Some people saw this and realized that if they made everything too certain or wrote too many rules people would just blindly follow them and kill anyone who disagreed – because no rules can comprehensively cover humanity.

So then wisdom and learning was handed down in stories and allegory – rhythms, questions and ideas. This worked very well for a while – so well that humans explored and discovered so much they thought they could be certain once again. So then they started writing their certainties down as “isms” and others wrote critiques of their certainties and then the flag waving and killing started all over again.

Those who were left went back to the older more uncertain questions and started again – looking through and exploring – asking questions, posing a hypothesis and testing it.

There are relative differences between people – some humans tend to certainty, others tend to hypothesis and exploration. Some scientists will try to argue certainty in math and social engineering, some philosophers will explore and hypothesize about math, no one person can know anything at all with any certainty and although many have gone far down specialized exploration we all rely on being able to share, communicate and discuss these hypotheses.

The belief in certain heaven, utopia and absoluteness pervades society. Equally though – mainly by men on average (the on average risk takers) – there is this will to explore and hypothesize – to test the bounds and discover new things or rediscover and affirm old things. On average this can cause on average some tensions between the on average genders. If cannot explain your thoughts and actions, hypothesis and exploration as if you were talking to a child then you really do not know what you are talking about.

So when a Child asks a question and you respond with “it is just because it is”, “It’s the way we do it here”, “because it is the right thing” - it is not that they have reached the limit of their intelligence – they have reached the limit of your intelligence.

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<https://www.goodreads.com/work/quotes/69320126-the-madness-of-crowds> *“public life is now dense with people desperate to man the barricades long after the revolution is over. Either because they mistake the barricades for home, or because they have no other home to go to. In each case a demonstration of virtue demands an overstating of the problem, which then causes an amplification of the problem.”* — Douglas Murray, The Madness of Crowds: Gender, Race and Identity

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<https://www.hoover.org/profiles/thomas-sowell>
4. **Hoover Institution** :keyword(Research) <https://www.hoover.org/>
5. **Rapunzel** <https://www.dltk-teach.com/rhymes/rapunzle/story.htm>
6. **History of Family Law** <https://law.jrank.org/pages/6744/Family-Law-Historical-Background.html>
7. **Open Syllabus Project** :keyword(Education Educate Education) <https://opensyllabus.org/> 1 Business, 2 **English Literature**, 3 Mathematics, 4 **Computer Science**, 5 Education, 6 Biology, 7 Fitness and Leisure, 8 Engineering, 9 Psychology, 10 **History**, 11 Basic Skills, 12 **Political Science**, 13 Music, 14 Economics, 15 Media/Communications, 16 Nursing, 17 Mechanic / Repair Tech, 18 Spanish, 19 Fine Arts, 20 Chemistry, 21 Law, 22 Accounting, 23 **Basic Computer Skills**, 24 Film and Photography, 25 **Sociology**, 26 Marketing, 27 Physics, 28 Medicine, 29 Philosophy, 30 Social Work, 31 Agriculture, 32 Architecture, 33 Criminal Justice, 34 Health Technician, 35 Theology, 36 Japanese, 37 Theatre Arts, 38 Anthropology, 39 Earth Sciences, 40 French, 41 Geography, 42 Public Safety, 43 German, 44 Dance, 45 Chinese, 46 Journalism, 47 Religion, 48 Library Science, 49 Nutrition, 50 Classics
8. **ABS Classifications schemas**  
<https://www.abs.gov.au/websitedbs/d3310114.nsf/home/mcs.viewallclassifications>
9. ANZSCO – ABS  
<https://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/1220.02013,%20Version%201.3?OpenDocument> Inadequately described responses: 099888 Response inadequately described, Responses outside the current definition of the labour force: 099910 Student, 099920 Child/baby, 099930 Invalid pensioner, 099940 Other pensioner, 099950 **House wife/husband**, 099960 **Retired**, 099970 Unemployed - **Managers** 1, 2: Professionals 1: Technicians and Trades Workers 2, 3: Community and Personal Service Workers 2, 3, 4, 5: Clerical and Administrative Workers 2, 3, 4, 5: Sales Workers 3, 4, 5: Machinery Operators and Drivers 3,4: **Labourers** 4, 5
10. International Standard Classification of Occupations (ISCO) is one of the main international classifications for which ILO is responsible. It belongs to the international family of economic and social classifications. <https://www.ilo.org/public/english/bureau/stat/isco/>
11. **The Dewey Program at the Library of Congress** <https://www.loc.gov/aba/dewey/>
12. **The Reign of Relativity** :Author(**Richard Burdon Haldane**) :Year(1921) :Keyword(Group Ontology Humanism) <https://archive.org/stream/reignofrelativit00halduoft?ref=ol#page/n8/mode/2up>  
[https://en.wikipedia.org/wiki/Richard\\_Haldane,\\_1st\\_Viscount\\_Haldane](https://en.wikipedia.org/wiki/Richard_Haldane,_1st_Viscount_Haldane)
13. **The Philosophy Of Humanism** :Author(**Richard Burdon Haldane**) :Year(1922) :Keyword(Group Philosophy Humanism)  
<https://babel.hathitrust.org/cgi/pt?id=hvd.32044009508680&view=1up&seq=9>  
<https://archive.org/details/philosophyofhuma00haldiala/page/n6/mode/2up>  
<http://onlinebooks.library.upenn.edu/webbin/book/lookupname?key=Haldane%2C%20R.%20B.%20Haldane%20%28Richard%20Burdon%20Haldane%29%2C%20Viscount%2C%201856%2D1928>
14. **Human Experience: A study of its Structure** :Author(**Richard Burdon Haldane**) :Year(1926) :Keyword(Group Philosophy Humanism) <https://catalog.hathitrust.org/Record/006612421>  
<https://archive.org/details/b2981523x/mode/2up>  
<https://snaccooperative.org/ark:/99166/w6280gpz>
15. Small World Network [https://en.wikipedia.org/wiki/Small-world\\_network](https://en.wikipedia.org/wiki/Small-world_network)
16. Logarithm <https://en.wikipedia.org/wiki/Logarithm>

17. **Exponentiation** <https://en.wikipedia.org/wiki/Exponentiation>
18. Random Graph [https://en.wikipedia.org/wiki/Random\\_graph](https://en.wikipedia.org/wiki/Random_graph)
19. **Percolation Theory** [https://en.wikipedia.org/wiki/Percolation\\_theory](https://en.wikipedia.org/wiki/Percolation_theory) *Most of these predictions are conjectural except when the number  $d$  of dimensions satisfies either  $d = 2$  or  $d \geq 19$ . They include: There are no infinite clusters (open or closed) The probability that there is an open path from some fixed point (say the origin) to a distance of  $r$  decreases polynomially, i.e. is on the order of  $r^\alpha$  for some  $\alpha$   $\alpha$  does not depend on the particular lattice chosen, or on other local parameters. It depends only on the dimension  $d$  (this is an instance of the universality principle).  $\alpha d$  **decreases from  $d = 2$  until  $d = 6$  and then stays fixed.**  $\alpha_2 = -5/48$   $\alpha_6 = -1$ . The shape of a large cluster in two dimensions is conformally invariant.*
20. [https://en.wikipedia.org/wiki/Conformal\\_geometry](https://en.wikipedia.org/wiki/Conformal_geometry) *Conformal geometry has a number of features which distinguish it from (pseudo-)Riemannian geometry. The first is that although in (pseudo-) Riemannian geometry one has a well-defined metric at each point, in conformal geometry one only has a class of metrics. Thus the length of a tangent vector cannot be defined, but the angle between two vectors still can.*
21. Weighted planar stochastic lattice  
[https://en.wikipedia.org/wiki/Weighted\\_planar\\_stochastic\\_lattice](https://en.wikipedia.org/wiki/Weighted_planar_stochastic_lattice)
22. Law of Large Numbers [https://en.wikipedia.org/wiki/Law\\_of\\_large\\_numbers](https://en.wikipedia.org/wiki/Law_of_large_numbers)
23. **Living Systems** :Author(**James Grier Miller**) :Year(1978) :Keyword(Planet Science Life)  
<https://archive.org/details/LivingSystems/page/n41>  
[https://en.wikipedia.org/wiki/James\\_Grier\\_Miller](https://en.wikipedia.org/wiki/James_Grier_Miller)  
<https://www.panarchy.org/miller/livingsystems.html>
24. Very Well mind The Big Five Personality Traits By Kendra Cherry Kendra Cherry Medically reviewed by Steven Gans, MD Updated on October 14, 2019  
<https://www.verywellmind.com/the-big-five-personality-dimensions-2795422>
25. Chapman BP, Duberstein PR, Sørensen S, Lyness JM. **Gender Differences in Five Factor Model Personality Traits in an Elderly Cohort: Extension of Robust and Surprising Findings to an Older Generation.** Pers Individ Dif. 2007;43(6):1594-1603. doi:10.1016/j.paid.2007.04.028  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2031866/>
26. Opinion Let's Stop Cheapening Combat: Women Are Not the Primary Victims of War And here we have yet another attempt to minimize the suffering of men By Pete Ross • 03/22/17 8:46am  
<https://observer.com/2017/03/prime-minister-australia-malcolm-turnbull-women-victims-of-war/>
27. **Hillary Rodham Clinton** > Quotes > Quotable Quote Hillary Rodham Clinton **"Women have always been the primary victims of war. Women lose their husbands, their fathers, their sons in combat."** — Hillary Rodham Clinton , Tags: **Inspirational**  
<https://www.goodreads.com/quotes/503123-women-have-always-been-the-primary-victims-of-war-women>
28. **Hillary Clinton and the Victims of War** Hillary Clinton asserted that women "have always been the primary victims of war" during a domestic violence conference in 1998. Dan Evon Published 30 December 2015 <https://www.snopes.com/fact-check/hillary-clinton-victims-of-war/> *The experience that you have gone through is in many ways comparable to what happens with domestic violence. Women have always been the primary victims of war. Women lose their husbands, their fathers, their sons in combat. Women often have to flee from the only homes they have ever known. Women are often the refugees from conflict and sometimes, more frequently in today's warfare, victims. Women are often left with the responsibility, alone, of raising the children. Women are again the victims in crime and domestic violence as well. Throughout our hemisphere we have an **epidemic of violence against women**, even though*

there is no longer any organized warfare that puts women in the direct line of combat. But *domestic violence is now recognized as being the most pervasive human rights violation in the world*

29. ILO <https://www.ilo.org/global/lang-en/index.htm> <https://ilostat.ilo.org/data/country-profiles/>  
Note the measures \_ **female share of middle management** and **Gender Wage Gap** – driven by feminist dominated ideologies, bias and corruption – which now control most United Nations bodies. <https://ilostat.ilo.org/about/data-collection-and-production/fundamental-principles-of-official-statistics/> *Fundamental Principles of Official Statistics The United Nations Statistical Commission adopted the fundamental principles of official statistics in 1994 at the global level, which were then adopted by the United Nations General Assembly in 2014. In 2018, the ILO Director-General fully committed to these principles: 1. Relevance, **impartiality** and equal access Official statistics provide an indispensable element in the information system of a democratic society, serving the government, the economy and the public with data about the economic, demographic, social and environmental situation. To this end, official statistics that meet the test of **practical utility** are to be compiled and made available on an impartial basis by official statistical agencies to honour citizens' entitlement to public information.2. **Professional standards and ethics To retain trust** in official statistics, the statistical agencies need to decide according to strictly professional considerations, including scientific principles and professional ethics, on the methods and procedures for the collection, processing, storage and presentation of statistical data.*
30. Terence Tao A Magical Answer to an 80-Year-Old Puzzle Using crowd-sourced and traditional mathematics research, Terence Tao has devised a solution to a long-standing problem posed by the legendary Paul Erdős. Erica Klarreich Contributing Correspondent <https://www.quantamagazine.org/terence-taos-answer-to-the-erdos-discrepancy-problem-20151001/> *In this brainteaser, devised by the mathematics popularizer James Grime, you can plan a list of 11 steps that protects you from death. But if you try to add a 12th step, you are doomed: Your captor will inevitably be able to find some skip-counting sequence that will plunge you over the cliff or into the viper pit. Around 1932, Erdős asked, in essence, what if the precipice and pit of vipers are three paces away instead of two? What if they are N paces away? Can you escape death for an infinite number of steps? The answer, Erdős conjectured, was no — no matter how far away the precipice and viper pit are, you can't elude them forever. To solve the problem, Tao measured the "entropy" of mathematical objects called multiplicative functions or sequences, which lie at the heart of not just the Erdős discrepancy problem, but also some of the deepest problems in number theory, such as understanding the distribution of prime numbers. This novel synthesis of number theory and entropy — a concept that originated in coding theory — "will certainly open up new avenues of research," Green predicted. Until now, the Erdős discrepancy problem has been an example of "the most ridiculous things we have felt we didn't understand" about multiplicative functions, Granville said. "It should be an immediate observation, but somehow it had to take vast amounts of deep ideas and cleverness to get there." Tao's solution, he said, is "a wonderful breakthrough."*
31. Liouville function [https://en.wikipedia.org/wiki/Liouville\\_function](https://en.wikipedia.org/wiki/Liouville_function) "squarefree"
32. Nearest neighbour algorithm [https://en.wikipedia.org/wiki/Nearest\\_neighbour\\_algorithm](https://en.wikipedia.org/wiki/Nearest_neighbour_algorithm)
33. Apples to Apples <https://www.mattelgames.com/games/en-us/family/apples-apples>
34. Types of Numbers Compiled by William Tappe - Numbers <https://www.mathgoodies.com/articles/numbers> **CONGRUENT NUMBERS** A number N is said to be congruent if there are two integers, x and y, that result in the expressions  $x^2 + Ny^2$  and  $x^2 - Ny^2$  being perfect squares. **The smallest known congruent number is 5** which satisfies  $412 + 5(122) = 492$  and  $412 - 5(122) = 312$ . The use of the square of a negative number results in

another solution of  $22 + 5(12) = 32$  and  $22 - 5(12) = (-1)2$ . While there are many congruent numbers, finding them is an arduous task. The expressions  $x^2 + Ny^2$  and  $x^2 - Ny^2$  are often useful in solving many problems in recreational mathematics.

35. Types of Statistical Data: Numerical, Categorical, and Ordinal Statistics For Dummies, 2nd Edition  
 Related Book Statistics For Dummies, 2nd Edition By Deborah J. Rumsey  
<https://www.dummies.com/education/math/statistics/types-of-statistical-data-numerical-categorical-and-ordinal/>
36. Overthinking an Erdős Quote about Ramsey Numbers and Evil Aliens Paul Erdős versus Moore's law By Evelyn Lamb on November 10, 2016 <https://blogs.scientificamerican.com/roots-of-unity/moores-law-and-ramsey-numbers/> *The limits of our knowledge about Ramsey numbers is kind of astonishing. We know  $R(3,3)=6$  but if we're looking for a way to guarantee just four mutual friends or strangers, we have to invite 18 people, a sizable jump. And we don't even know the answer for five mutual friends or strangers. It's somewhere between 43 and 49 [update: In March 2017, Vigeik Angeltveit and Brendan D. McKay lowered the upper bound for  $R(5,5)$  from 49 to 48], but we haven't pinned it down exactly.*
37. Why the world needs more female bankers 24 Sep 2018 Martin Čihák Advisor, IMF Monetary and Capital Markets Department Ratna Sahay Deputy Director of the Monetary and Capital Markets Department, IMF <https://www.weforum.org/agenda/2018/09/women-in-finance-an-economic-case-for-gender-equality>
38. Cretin Word detective <http://www.word-detective.com/2008/12/cretin/>
39. Epimenides paradox – All Cretans are liars [https://en.wikipedia.org/wiki/Epimenides\\_paradox](https://en.wikipedia.org/wiki/Epimenides_paradox)
40. MLA Citation Haldane, R. B. Haldane (Richard Burdon Haldane), Viscount, 1856-1928, and London British Academy. **The Doctrine of Degree In Knowledge, Truth, And Reality**. London: Pub. for the British Academy by H. Milford, 1919.  
<https://catalog.hathitrust.org/Record/100226685>
41. Primes [https://en.wikipedia.org/wiki/List\\_of\\_prime\\_numbers](https://en.wikipedia.org/wiki/List_of_prime_numbers) , Riemann hypothesis [https://en.wikipedia.org/wiki/Riemann\\_hypothesis](https://en.wikipedia.org/wiki/Riemann_hypothesis)
42. Quantum Harmonic Oscillator [https://en.wikipedia.org/wiki/Quantum\\_harmonic\\_oscillator](https://en.wikipedia.org/wiki/Quantum_harmonic_oscillator)
43. Quasi Crystal <https://en.wikipedia.org/wiki/Quasicrystal>
44. **Goldbach's Conjecture** [https://en.wikipedia.org/wiki/Goldbach%27s\\_conjecture](https://en.wikipedia.org/wiki/Goldbach%27s_conjecture) *Goldbach's conjecture is one of the oldest and best-known unsolved problems in number theory and all of mathematics. It states: Every even integer greater than 2 can be expressed as the sum of two primes.[1]The conjecture has been shown to hold for all integers less than  $4 \times 10^{18}$ ,[2] but remains unproven despite considerable effort. This result was subsequently enhanced by many authors, such as Olivier Ramaré, who in 1995 showed that every **even number  $n \geq 4$  is in fact the sum of at most 6 primes**. The best known result currently stems from the proof of the weak Goldbach conjecture by Harald Helfgott,[19] which directly implies that **every even number  $n \geq 4$  is the sum of at most 4 primes**. [20][21] Although Goldbach's conjecture implies that every positive integer greater than one can be written as a sum of at most three primes, it is not always possible to find such a sum using a greedy algorithm that uses the largest possible prime at each step. The Pillai sequence tracks the numbers requiring the largest number of primes in their greedy representations.[25]One can consider similar problems in which primes are replaced by other particular sets of numbers, such as the squares. It **was proven by Lagrange that every positive integer is the sum of four squares**. See Waring's problem and the related Waring–Goldbach problem on sums of powers of primes.*
45. **Fermat Numbers** [https://en.wikipedia.org/wiki/Fermat\\_number#Primality\\_of\\_Fermat\\_numbers](https://en.wikipedia.org/wiki/Fermat_number#Primality_of_Fermat_numbers)  
 In mathematics, a Fermat number - named after Pierre de Fermat who first studied them - is a positive integer of the form  $F_n = 2^{2^n} + 1$ ,  $\{\displaystyle F_n=2^{2^n}+1,\}$   $\{\displaystyle$



$F_n = 2^{2^n} + 1$ , where  $n$  is a non-negative integer. The first few Fermat numbers are: **3, 5, 17, 257, 65537**, 4294967297, 18446744073709551617 (**only first 5 are prime**)

46. Divergence Theorem [https://en.wikipedia.org/wiki/Divergence\\_theorem](https://en.wikipedia.org/wiki/Divergence_theorem)
47. Some Mathematical Works of the 17th & 18th Centuries, including Newton's Principia, Euler's Mechanica, Introductio in Analysin, etc., translated mainly from Latin into English. Most of the translations are from Latin by **Ian Bruce**, with some papers by others. This site is produced, funded, and managed by myself, Dr. Ian Bruce, now an independent researcher or should I say mathematical hobbyist <http://www.17centurymaths.com/>
48. Lagrange Method [https://en.wikipedia.org/wiki/Lagrange\\_multiplier](https://en.wikipedia.org/wiki/Lagrange_multiplier)
49. The Basel Problem [https://en.wikipedia.org/wiki/Basel\\_problem](https://en.wikipedia.org/wiki/Basel_problem)
50. Trigonometric Functions [https://en.wikipedia.org/wiki/Trigonometric\\_functions](https://en.wikipedia.org/wiki/Trigonometric_functions)
51. Holomorphic Functions [https://en.wikipedia.org/wiki/Holomorphic\\_function](https://en.wikipedia.org/wiki/Holomorphic_function)
52. blog <https://www.famousscientists.org/leonhard-euler/>
53. Galois Theory [https://en.wikipedia.org/wiki/Galois\\_theory](https://en.wikipedia.org/wiki/Galois_theory) *Galois' theory provides a much more complete answer to this question, by **explaining why it is possible to solve some equations, including all those of degree four or lower**, in the above manner, and **why it is not possible for most equations of degree five or higher**. Further, it gives a conceptually clear, and easy to transform into an algorithm, means of telling when some particular equation of higher degree can be solved in that manner.*
54. The Gamma function [https://en.wikipedia.org/wiki/Gamma\\_function](https://en.wikipedia.org/wiki/Gamma_function)
55. History of the Peloponnesian War :Author(Thucydides) :Year(-404) :Keyword(Group History Humanism) [https://en.wikipedia.org/wiki/History\\_of\\_the\\_Peloponnesian\\_War](https://en.wikipedia.org/wiki/History_of_the_Peloponnesian_War)  
<https://oll.libertyfund.org/titles/thucydides-the-english-works-vol-viii-the-peloponnesian-war-part-i> <http://www.gutenberg.org/ebooks/7142>
56. Histories :Author(Herodotus) :Year(-440) :Keyword(Group History Humanism)  
<https://archive.org/details/herodotusnewlite00hero/page/n6/mode/2up>  
[https://en.wikipedia.org/wiki/Histories\\_\(Herodotus\)](https://en.wikipedia.org/wiki/Histories_(Herodotus))  
<http://classics.mit.edu/Herodotus/history.html>
57. Degrees on Knowledge, Truth and Reality :Author(Richard Burdon Haldane) :Year(1919)  
:Keyword(Group Philosophy Knowledge) <https://catalog.hathitrust.org/Record/100226685>
58. Lectures on Elementary Mathematics :Author(Joseph Louis Lagrange) :Year(1788)  
:Keyword(Group Philosophy Maths) <http://www.gutenberg.org/files/36640/36640-pdf.pdf>  
<https://archive.org/details/lecturesoneleme00laqrqooq/page/n13/mode/2up>  
[https://en.wikipedia.org/wiki/Joseph-Louis\\_Lagrange](https://en.wikipedia.org/wiki/Joseph-Louis_Lagrange)