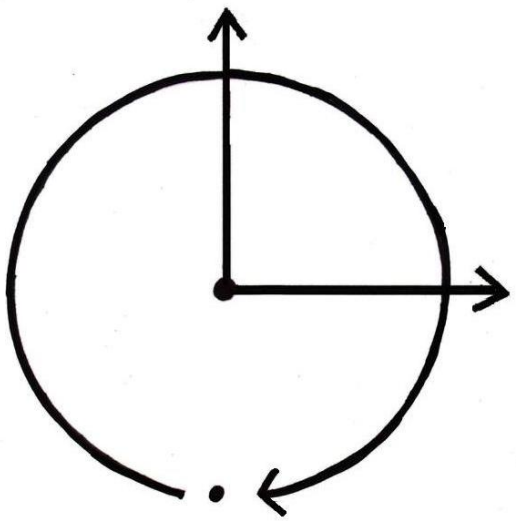
Existential Item(s)/Event(s) Clock

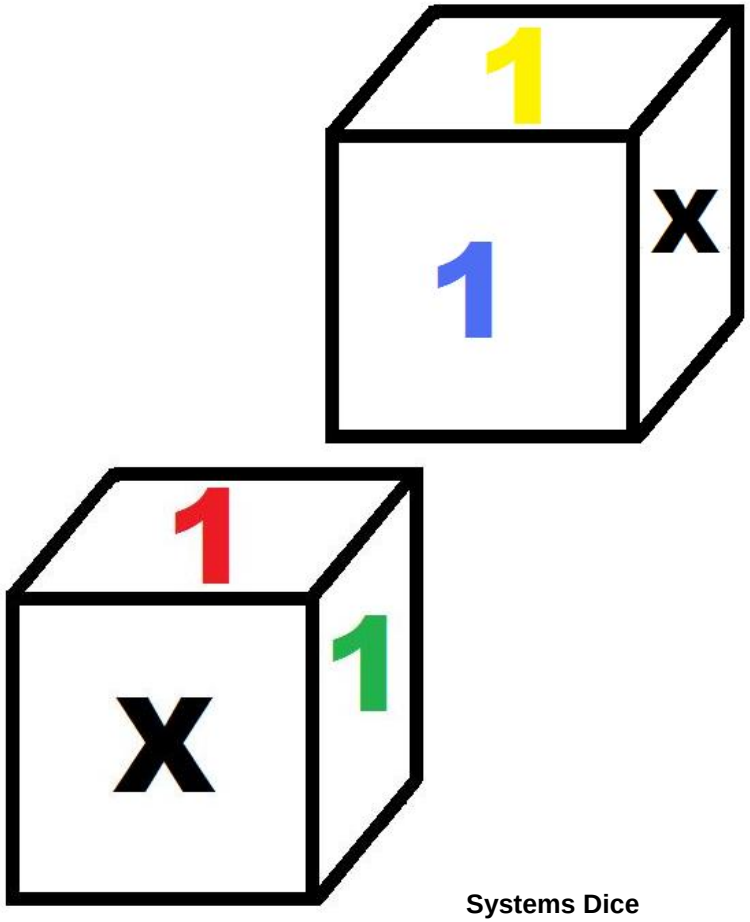


Zim Mathematics

Zim Olson . . . . In Creative Mathematics

Zim Mathematics
& His Existential Synopsis

Systems and/or Sub Systems
A Dominant Mathematical Paradigm



Systems Dice

November 22, 2011

Explanation of Systems and Sub Systems Concepts

- **Four Behavioral Components for any existential system/ object:** Every object has a functional context, Every(x); a System and no Sub System Functionality f(x); A Non Stated Functionality, Non(x); and a resultant intersecting functionality, Some(x).

- **Historical:** These concepts have been used throughout known History. But these terms have been to a large extent implicit in our understanding. Theologies, Knowledge and Knowledge Theory, Law, Businesses and Economies. These and other understandings have laid claim to various portions of the system and/or sub system paradigm.

- **Current Perspective on Systems and Usage:** Science utilizes the System Functionality portion of this paradigm. Theologies still utilize this paradigm to a large extent for a principal system, but do not agree on the existence or content of the behavioral components. 'Earthly' disciplines such as business, government, Information sciences, utilize and recognize the behavioral components but have not come to terms on their existential basis.

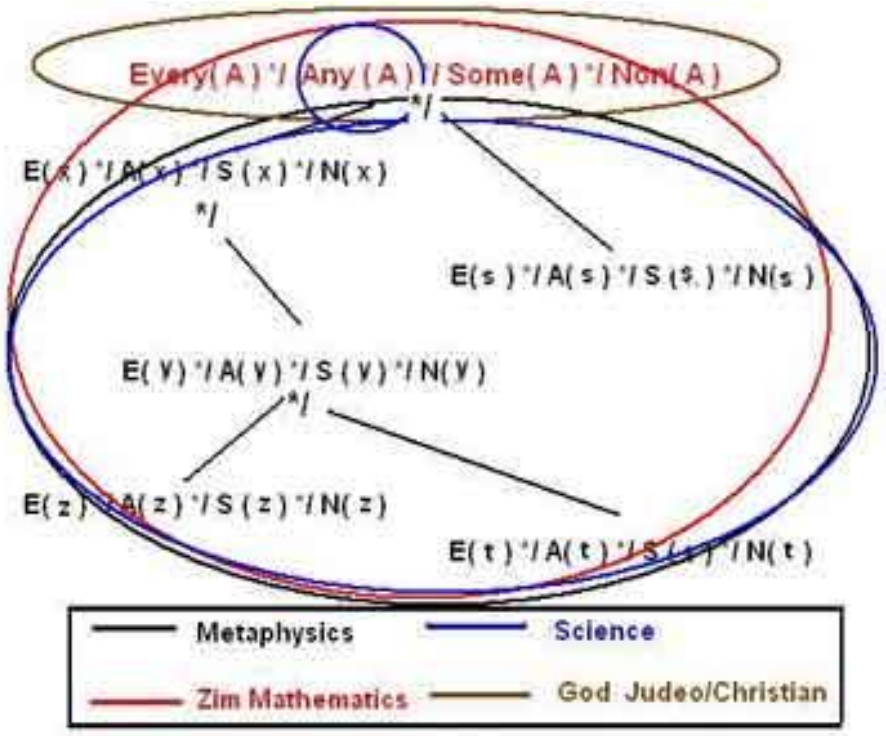
- **Systems and/or Sub Systems as Dominant Mathematical Paradigm:** Zim Mathematics/Zim Olson describes every object as possessing these behavioral components, including operations, numeric, unknown objects and qualitative object/systems. And that every of these objects can be expressed as a System and/or Sub System with varying existential results. Physical or Qualitative attributes are simply a partial system expression.

- **Origin of System Components and expression dynamic: f(1)= + - / × (See Below).**

Functionality is that perhaps Jesus employed the full set of basic operations employed as systems (Holy Spirit), and the computer employs only one of the system behavioral components, Any(x), giving computer language.

Appointment of Qualitative Constructs to the center or other portions of the diagram, would limit the information, and would not produce system wide results. And of course, in Computer Mathematics, the main basic operation could be said to consist of only addition or plus.

See "The Original Transformation" a Math Story



- f (1) = + - / x ; f of 1, in terms of or a function of basic operations expressed as systems. This gives Father/God, or the Functional Context to any Sub System or Ad Hoc System or System. f(1) or f(1) = + - / x ; could be said to result in f(0), and f(1 + 0), and f(1,0)

- f (0) = + - / x ; f of 0, in terms of or a function of basic operations expressed as systems. This gives the Holy Spirit, or basis of all knowledge, or basis of a Non Stated Functionality.

- f (1 and 0) = + - / x ; f of 1 and 0, in terms of or a function of basic operations expressed as systems. This gives the Creation or the Universe or Universe System Functionality.

  The expression of the Numeric Any objects, 1, 0 in terms of the basic operations expressed as systems gives the f (1 + 0) any object(s), for the Universe or 'Principal System'. For example: Apple + Non Apple + Orange + Non Orange + Pear + Non Pear = Fruit(x).....? Partial expression of this may give unusual behavior such as shown in Quantum Physics? Or even some Life behavior?

With the application of full set of basic operations to each component of a Principal System, the intersection of this Venn diagram would give a complete circle. As I have said this before, this diagram of System and/or Sub System functionality, is said to represent functionality for any Object. Principal System or any said Object. Thus giving credence and basis for the Theological notions of "Omniscience", "Omnipresence", and "Omni sapient", expressible in all things or objects. "Omni sapient", could be said to be derived from "Omniscience" "Omnipresent" in all things.

The application of this to Computer Language concepts is seen directly with the expression: f (1, 0) = + - / x;

the reason why f (1, 0) differs from Jesus functionality and the Computer's

Origin of System Transformation & System Behavioral Components

f(1)= + - / × = > f(0)= + - / × = > f(1+0)= + - / × = > f(1,0)= + - / ×.

"Unsubordinate Fact" (See Expression / Formula section) a Mathematical explanation/rationale for existence of Sub Systems and why not a Universe of Systems only. Where each object/component or system component is capable of being expressed as a function of basic operations. Numeric, Unknown and/or Operational objects also:

f(x) = + - / *

Theology

•**Christianity - System and Sub System perspective**. With four behavioral components. As with the four behavioral components found in any existential object/system.

f(1,0, Jesus(1,0)) = + - / ×

•**Judea** - System and Sub System perspective without 4 general behavioral components, particularly in a Principal System.

f(1, Torah(A-Z)) = Every +, Every -, Every / , Every × Any +, Any -, Any /, Any ×

•**Mathematics** - System and/or Sub System perspective without general behavioral components in the principal system.

f(1, Mathematicians (1, 0)) = Any +, Any -, Any / , Any ×

•**Zim Mathematics** - System and/or Sub System perspective with general behavioral components in the principal system. All existential objects, including operations, also considered as Systems and/or Sub Systems.

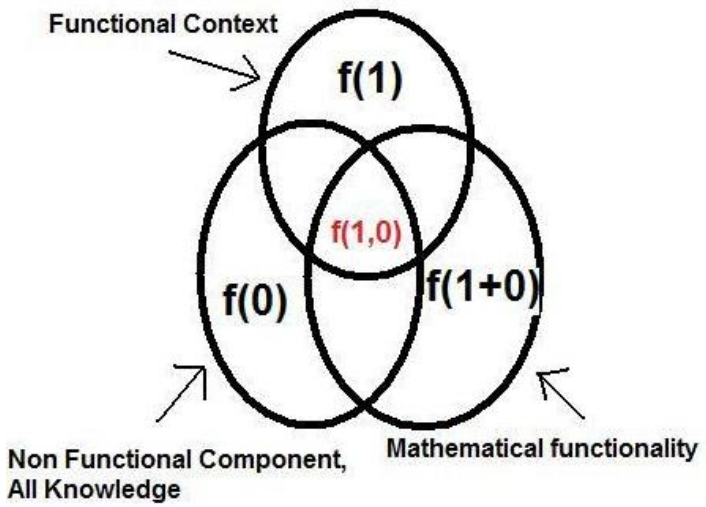
f(1, 0) = + - / × , ie **Creative Mathematics** Plug in Values and figure out how it works.

In Summary of my Existential Summary, I would like to mention the variety of Qualitative Constructs employed by the different faiths, Sciences and Zim Mathematics. Pure Qualitative constructs are problematic. So a Source to soulutions is necessary. I don't feel any qualitative construct and/or Transformation can provide all functionality for all object(s). Qualitative constructs in Transformations limits some additional information. A full functionality of a given qualitative construct is not system wide. For example: f(1Apple, 0Apple) = + - / × , at best is the functionality of an Apple and not System wide functionality as in: f(1, 0) = + - / × .

Achieving full System and Sub System Functionality

Any Sub System functionality as expressed simply as Any(x) = Any(+); or f(x) = Any(+); would not achieve System and Sub System functionality until the incorporation of the basic operation Any(-) in the sub system expression giving Any(x) = Any(+)Any(-) or f(x) = Any(+)Any(-). I use this Shorthand expression of the basic operation system expressions, omitting Any(/) and Any(*), because mathematically f(+,-) => f(+,-,/,*) when the operations are expressed or modeled as systems.

This is to say a created life object mathematically expressed by Any(+) would be said to not achieve full functionality until expressed by Any(+)Any(-). The 3 other system components, Every(+), Some(+), Non(+) and Every(-), Some(-), Non(-) in this expression are implied here.



Zim's Explanation of the above 'Original State' or 'Original Transformation' Venn diagram in terms of portions of stated Christianity, and how Computer Language works and does not work.

The purpose of this exercise is to show the existential feasibility of stories in the Bible and also possibility of useful Mathematical Applicability:

- f (1, 0) = + - / x ; f of 1 and / or 0, in terms of or a function of basic operations expressed as systems. Jesus was man and God. In other words he came to earth as a System and Sub System. The Application of the complete set of basic operations gave Jesus this Capability. Or in other words the application of the Holy Spirit. In the case of Jesus the acceptance or the application of the basic operations as Systems to himself gave him the functionality of f (1 and 0) and f (1 or 0). In the case of f (1 or 0) the result would not be System wide. But in the case of f (1 and 0), the Life Result is System wide.

The Creative Method could involve taking any set of objects expressed as in "Math Concept Art" with the knowledge that there is an existential result.

(See Math Expression Constant Principle - Application Section)

Exploration of Efficiency of Information and Life Objects

An Existential or Optical Perspective; Mono, Bio or Multiple. Where the two optical eye perspectives gives depth perception. Do Life Partner Relationships give an existential perspective? Non reasons for >2 Perspective could be that for a perspective >2 no added information or existential information is generated. Every perspective n >2 is more partial system construct. Where every object has f (1) = + - / *; as a source of information....? An efficiency of information for a life object could be a significant factor. Could this be a reason for scarcity of optical sensory > 2? And why permanent life partners are significant to Life Objects. An f(2) expression or an expression of object(s) where n = 2, where all existential objects are given to be unique as in f(y) = +/ - * or f(1,y) = +/ - * ; could have advantages over life object expressions of f(x) = +/ - * or f(1) = +/ - * , or f(x,y,z) = +/ - * or f(1,y,z) = +/ - * . Where all information could be said to be accessible in expressions of (2) objects, and where expression of (1) object may give access to only a subset or portion of available information, as with f (of some partial system construct or sub system). Life Object expressions of objects greater than 2 as with f(x,y,z) = +/ - * or f(1,y,z) = +/ - * .; may serve to limit even more of the available information than with object(s)=1 or object(s)=2.

Explanation of Knowledge Theory found in Book of Genesis of Bible

" Tree of Knowledge of Good and Evil"

Is a Sub System Expressed as a System

In the church I attend New Life Fellowship Foursquare church, Pastor Joe Olsson spoke of "Ownership" as a key concept in the "Eating of the Forbidden fruit" (The Tree of Knowledge of Good and Evil) and "Original Sin" or "The Fall".....Which has led me to the following update on the interpretation of this Items/Events.

"Ownership" in the "Garden" on Earth could be interpreted as Mankind or Lifekind taking or expressing objects on Earth such as the "Apple Tree" as Partial System expression(s) and/or Partial Expression of operation systems. Thus taking "Ownership" of these objects by omitting these behavioral components given by a principal system expression. Meaning Ownership by expressing these objects as lacking behavioral components, and taking supposed dominion over them, where in reality the behavioral components were still there. Showing that the "Tree of Knowledge of Good and Evil" was Mankind's partial product or expression on Earth and his supposed dominion of them. Supporting again the notion that Science and Knowledge is principally an Earthly construct or Qualitative construct (a result of supposed "dominion" of expression by omitting system behavioral components). Such an expression may be: f (1, 0, Mankind (A Any)) = + - / ×.

Per my numeric systems analysis in this synopsis: object(s) where object(s) n > 1 is expressed, gives a resultant change in existential perspective. And as this concerns life object(s); a condition or consequence of n > 1 object(s) expression and /or 'consummation', of this relationship, could give a so called ’consummation’ of the Apple of the Forbidden Fruit of the "Tree of Knowledge of Good and Evil". Where:

'man'(1) => 'objects'(1,0); or Adam & Eve in the Garden of Eden and subsequent "fall"

or

LifeObject(1) => LifeObjects(1,0). As with a Uni Cellular Life form to a Bi Cellar Life Form.

In the Judeo/Christian Bible, Satan is referred to as the instigator of all this. You may ask, Who, what, when, where, why is this figure. I will try to answer this question in terms of System and/or Sub System partial constructs. Particularly as it references to existence on Earth. And where does this existential figure receive all this 'power'? The Solar-Earth System construct or partial construct that 'feeds' life existence on Earth is what gives the partial System construct, 'Satan', his 'power'. An expression for this relationship could be said to consist of the following:

Solar-Earth(X, Man(X)) = ---------- .

Or ..... Solar-Earth(X, Man(X)) = Any(+) .

This expression highlights man's reliance with the operation and its functional component Any(+) and it's apparent cause/effect relationship in Mankind's or Lifekind's Solar "System". Other operational system components are ignored.

Satan is not a person. He also is a partial system/sub system construct that can be found in the above expression. Satan could be said to be any partial expression of the following:

Satan=Every(Solar-Earth) / × Any(Solar-Earth) / × Some(Solar-Earth) / × Non(Solar- Earth) / × Any(Who, What, When, Where, Why, How)

Intelligence and Mankind

(within a System/Sub System Paradigm)

A standard of intelligence that I am aware of is based on one's functional context. You may ask, “What is your functional context?". Our perception and our perception giving awareness of an existential object can be based on our "functional context".

However, knowledge as we know it on Earth is comprised of Truth AND Falsehood. In other words knowledge is also the source of misinformation. But this also means a False statement can somehow always be shown to be a True statement. I.Q. as now measured is simply another Qualitative construct and partial system expression.

As I said above, a standard of intelligence can be said to be based on our functional context. An Earthly functional context would give a source of misinformation or Truth AND Falsehood. A functional context of a principal system such as:

f(X) = + / - × or f(1) = + / - ×;

May be a source of Truth and hopefully not Falsehood?

Also of concern is the determination of the functional context of f (+). The system functionality of the operation + (plus) could be said to give the state of knowledge or 'Omniscience'. The functional context of f (+) could help determine this system functionality. A couple of methods that I am aware of for determining this are found in the Scientific Method, or a Creative Method.

The Scientific Method would involve solving for all 'known' expressed objects of concern.

Behavior of _____ .

Explanations, Expressions, Descriptions, Parametizations.

To model behavior with current models of knowledge, serious limiting parameters must be utilized. Exploration of objects modeled as Systems and/or Sub Systems may give more parametization options.

Behavior = _____ .	Behavior A = _____.
Behavior A = _____ 1.	Behavior X = _____ A.
Behavior X = _____ Y .	Behavior X + Y = _____ $(Y + W)_1$

The Life Expression

As System and Sub System, parametized as Item/Event(s),
within Item(s)/Event
or Item(s)/Event(s).
(Although other parametizations possible)

Mankind or Lifekind's DNA, may not be only a subset of God's information but may be an mathematical image of God's 'DNA' and Information. God's DNA/Information could be expressed as: f (1) = + - / *

Order vs. Disorder

Expressions of Objects as Systems or Sub Systems

Reference Mobile - New Transportation Modalities

Expressing Sub Systems as System(s)

The constructs; Who, What, When, Where, Why, How, are used here to articulate further Earthly constructs in Mankind's domain that are used to express any kind of behavior. This of course as a consequence would also be used to articulate Satan or the behavior of Sin.

"Tree of Life"

A Sub System Expressed as part of the Principal System Components

....Barrier's to the System of the Tree of Life could be said to be "Dependency" of various forms on the Tree(s) of Knowledge of Good and Evil. Also, 'illness' and 'Death' could be said to be attributable to these "Dependencies(s)"

Mathematical f(x) of any object or any qualitative construct is the functional center of functional intersection of Principal System Components. The Tree of Life as expressed or originated at: f(1) = + - / ×; could be said to be the same mathematical and functional source for any object.

Asking a Question or Asking God a Question could be expressed in the following way for any applied Qualitative Value or Construct:

f(1, 0) = + - / ×

Source of Perceived Time Behavior

System / Sub System(s) Expression give continual generation of unique Item(s)/Event(s) or perception of ongoing time past, future. ....System / Sub System Transformations convey: Conservation of Information, loss of information and meaningful New Information, explaining our perception of the passage of time. And why over time, new information cannot be incorporated into any said "System".

Current "Time" Constructs and their Derivations from Partial System/Sub System Expression(s)

- **Earthly Sequences** - Individuals and the Individual Partial System Constructs: A perceived Individual function Any(x) construct, and implied individual functional context Every(x).
- **Solar Earth Sequential Relationship** - An 'External' System and its Partial System Constructs giving "Time": This perceived External function Any(x), with other System Components that are implied only, Every(x), Some(x), Non(x).
- **Our Universe Relationship and its Partial System Construct** - Time/Space Relativity: Universe Functionality Any(x), other System constructs or system components implied or completely ignored.
- **All System/Sub Systems and their Components Considered** - Zim Math: System/Sub System Time a Derivation by Logic/Expression.

The Origin of Time(s) can be found in the following expression where Logic and its Expression are said to give a basis for a series of cause/effect behavior or relationship.

f (___, ___) + - / * ; **or** f (___, ___, … ___ N) + - / * ;

An Example Expression of Continuous Info. Behavior (Δ Unit Info)

(Item(1A) × Item(B)) × Events(A1)

A is some principle System, Item B is a partial expression of some Sub System B

The (+), (-), (+-) as Metaphors to Explain Behavior

Physical, Existential, Terrestrial, and even Mathematical

These Mathematical Operations are not currently modeled as Systems or Systems with four behavioral components. To be more useful metaphors this should be taken into consideration.

(+), (-), (+-) Qualitative Constructs
as derived by partial System and/or Sub Systems expression &
their role in defining behavior.

The various combinations of system component expression should be explored:

Any(+) * Any(+) * Every(+)

Any(+) Non (-) Any(+)

A Any(+) **A** Non (-) **A** Any(+) **A**

A + A
or
A Any**(+)** **A**
or
A Every(+) Any(+) Some (+) Non (+) **A**
or

(Every(A) Any(A) Some (A) Non (A) Every(+) Any(+) Some (+) Non (+)
(Every(A) Any(A) Some (A) Non (A)

MC^2 = E as the following**:**

(Every(M)Any(M)Some(M)Non(M) Every(*)Any(*)Some(*)Non(*)

(Every(C)Any(C)Some(C)Non(C) Every(*)Any(*)Some(*)Non(*)

(Every(C)Any(C)Some (C)Non (C)
< == >
C(E) unit Every(x) Any(x) Some (x) Non (x)

(Principal System Expression Implied)

Energy

E= MC2 can be expressed as a System and/or a Sub System.
Or operations as expressed as System(s) and/or Sub System(s)

Behavior or Forms of Energy, may be the Mathematical consequence of combining Qualitative and Numeric Object constructs in expression(s).

Other Mathematical AND Existential options are available.

Ohm's Law

As expressed within System/Sub System Paradigm

Current, Voltage, and Resistance as (3) related partial system expressions

.

Space Mathematics

Expressions of Qualitative Construct(s) or Partial System and/or Sub System Expressions give Space Mathematics.

f(1,0) = + / - * ; f(0) = + / - * ; f(1) = + / - * ; f(1+0) = + / - *

AND

as expressed by combinations of partial numeric and / or qualitative system constructs....give Space Mathematics

Numerical Objects as Systems

One (1) is considered a True Numeric Object. All other Numbers are considered partial system derivatives or constructs as with f (1) = + - / *. The derivative, f (2) expressed as a system and function of operations also expressed as Systems would give Mathematics or a portion or subset of Mathematics. f (2) as the 'number' we all know, for example, would give a construct or qualitative construct. Numeric Systems expressions, on the other hand and their products, are better characterized as results per the Math Expression Constant (See Applications section). f (0) is a derivative of f(1), but f(0) has no known derivative. f (0) is a common behavioral component to all objects, Numeric, Qualitative, Unknown, or Operational expressed as systems with all behavioral components. Any object or 'Numeric' object expressed as a function of Math operations also modeled as Systems would have f (0) as a functional component for the expressed result. Non System 'Numbers' and the Number Line should be considered a Generality or another Qualitative construct.

The following can always be said to be true:

Every(1) = _____ .
Any(1) = _____ .
Some(1) = _____ .
Non(1) = _____ .

Or

Every(1) = _____ X1.
Every(1) = _____ XY.
Every(1) = _____ X1.
Every(1) = _____ XX.

Are also always said to be true.

Numerical Objects or their partial system components expressed as a function of operations also expressed as systems or partial system expressions, always has a valid existential result. Where:

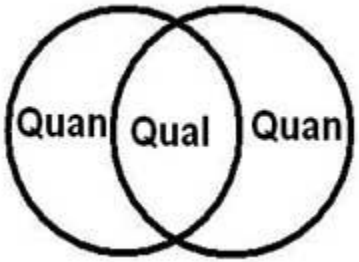
f(1) = + - / *; is always true.

Also 1, 0 numeric objects can be described as 1 – 1 any, or 0 – 0 any.

On the contrary Qualitative Constructs, or partial system expressions can be said to be never equal as with following expression of existential Objects:

Qualitative _____ ≠ Qualitative _____. Which can also be expressed:

f (A, B) = + - / *; the selection/omission of components A, B give a self-limiting relationship and expression. A or B could be some form of 1_2, X_2, X_Y, 0_X, Y_0 .



Stated Object(s) & their Unknown Expression(s) Basis

(within a System / Sub System Paradigm)

What you State indicates it's Expression. As with the Sciences where observation of properties is said theoretically to have an expression basis. As with the Physical Sciences.

- Numeric Objects
- Numeric Unknown Objects
- Numeric Qualitative Unknowns
- Combinations of the above Objects
- Nested Combinations of the above Objects

$$^{1}X_{C}{}_{1}Y$$

f (1,X,C,Y) = _____ .

f (__) 1 , f (__) 2 , … f (__) N = _____ .
f ((__) 1 , (__) 2 , … (__) N) = _____ .

Unknown Mathematics

Expressions

f(X) = + / - ×	f(Xx) = + / - ×	f(Xx,Yy) = + / - ×	f(1, Yy) = + / - ×
f(1x,Yy) = + / - ×	f(X1, Yy) = + / - ×	f(1, Y1) = + / - ×	f(1, 1y) = + / - ×
f(1, 0y) = + / - ×	f(1x, Y_0) = + / - ×	f(X1, 0_0) = + / - ×	f(1, Y_0) = + / - ×
f(1, 0_y) = + / - ×	ETC.		

I hope to show here that simply by composing a function or expression as a variety of Unknown(s), that new functional and subsequent existential dynamic may be derived. (Operations are expressed as systems here.)

Universal Applicability of basic operations gives "evidence" of many things, including existence of God or a principal system consistency as evidenced by how these operations behave per expressions available to us or expressions that could be available to us.

Item(s) and/or Event(s) Expressions

Historically, Mathematically, Scientifically,

& in every day communication and usage.

In Zim Mathematics, every object or existential object is said to have capacity for numerous or innumerable existential expressions of state and action or item(s), event(s); numeric, qualitative, unknown etc.

Historically as in language the mode of expression, such as the combination of Item(s) and/or Event(s) usage, has been entirely left up to the discretion of the communicator.

Mathematically, the usage of Item(s) and/or Event(s) expressions has been systematically limited or restricted, maybe in our effort to be more precise and exact.

Science has expanded on these limitations in hopes to increase our understanding and working knowledge.

But in reality, all objects can be expressed as being Item(s) and/or Event(s). The expression of limited combinations of this serves only to isolate finite applications and their finite usages and understandings.

f(1, Man(1,0)) = + - / *; Mathematics

1- 1 Any, 0 - 0 Any; Basic operations expressed as Systems

Sources to Mathematical Patterns

f(1,0, g(1,0)) = + - / ×; f(1,0, g(N,0)) = + - / ×;

f(1,0, f(1,0)) = + - / ×; f(1,0, f(N,0)) = + - / ×;

Generalities and the Role in Deductive - Inductive Reasoning

within a System/Sub System Paradigm

Where a generality is considered some Every (A) or a simple functional context of set of objects or qualitative constructs which can be characterized as Any (A). This indicates that a Generality would not be applicable within a System and Sub System expression, but may be of value within a System only expression.

Mathematical Methods of Solving Expressions

within the System/Sub System Paradigm

Other useful Mathematical methods for solving expressions may be: Redefining or changing the system construct, or partial system construct. Adding Item(s) and/ or Event(s) to the expression knowing there is an existential solution. Changing the answer.

"(-) Applications"

or

Expressions of Omitted Expression Components

Most current and earthly Applications and expressions of Physical Laws, consist of partial system constructs. (-) Applications may be a way of expressing the limitations of these constructs.

An Identity Function

Apple(x) = + - / ×;

For any Object or 'Fruit' or Qualitative construct or Partial System expressed as a function of the basic operations within a System/Sub System Paradigm. Apple(x) as a functional system component Any (x). The basic operations as Systems with the four behavioral components.

Systems and Growth

(Life, Economic, Physical Object(s)

Earthly Constructs and Their Functional Context(s) expressed, determine growth parameters, System outcomes, and any series path of the expressed System.

The expressed Functional Context of said object could be said to be the given standard(s) or parameter(s) of the object. This could also be said to determine any functional, purpose, or non-stated outcome. As with the four behavioral components found in any existential object/system.

Possible results from any such expressed Standards could be:

- Standard = _____. Is True
- Standard1 ×/ Standard2 = > _____. May be true.
- Standard1 ×/ Standard2 = > Standard3. Is True
- Standard1 ×/ Standard2 ×/ ... ×/ Standard N = > Constant unit Unknown (Cx)

The Content of the Expressed Functional Standards or Context(s) may determine System outcomes as in the above expression(s). As with an Earthly construct, Universal Standard, or any such possible standards as with:

f(1)= + - / ×	f(0)= + - / ×	f(X)= + - / ×	f(Xx)= + - / ×
f(1y)= + - / ×	f(Xy)= + - / ×	f(X1)= + - / ×	ETC.

Where operations here are expressed as Systems with the four behavioral components. Said to give all possible knowledge states.

Expressions or Standards may also be determined or found by the observation of new groupings or newly stated/described object(s).