



Towards a University
for a Regenerative
Third Horizon



Module 2

Qualsystems: The Basic Qualsystems

QUALITATIVE SYSTEMS THINKING



QUALITATIVE SYSTEMS THINKING

Page 1.1

1

Definition of a Quantum System

A quantum system is a recognisable mutual relevance between self and universe which distinguishes understanding from knowledge.

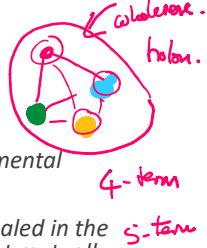

Engaging with quantum systems is a practice which integrates modes of perception of universal structure with the numerical and geometrical formalism of the qualitative significance of number.

The formal definition is:

A **quantum system** (abbreviation - *qualsystem*) is a **coherent set of n independent yet mutually relevant terms.**

The **coherence** is perceived as a **qualitative attribute** of fundamental **wholeness** pertinent to that order of system and

in a system each of the **n terms** has a distinctive **character** revealed in the role it plays in the system as a whole. Characters are distinct but mutually relevant to each other to be what they are.

2

Qualsystems as a Practice

With practice you hold the following principles in mind while working with the practical applications:

1. a qualsystem of n-terms is a wholeness comprising a coherent set of n independent mutually relevant terms
2. the order of a qualsystem is determined by n which is an integer 1,2,3,4,5,6 and so on. In principle qualsystems comprise a qualitative infinity.
3. each n-term qualsystem has a perceptible *attribute* that identifies its variety or quality of manifest wholeness; the attribute is also the coherence of that qualsystem
4. in any given qualsystem each term has a unique character that is specific to that qualsystem and such that no two characters are alike (independence) and within that qualsystem are complementary in role (mutual relevance)
5. connections are taken as equivalent in status to the elements thus emphasising mutual relevance . Connection here is taken as *prior* to relationship. First order connectivities in a qualsystem are determined by the expression $\frac{1}{2} n(n-1)$



3

Laying Out the Systems

What follows is the terminology and language of qualsystems. You will see:

A DIAGRAM

A DEFINITIONAL TABLE –

- name;
- attribute;
- nature;
- terms;
- connections

A PERCEPTUAL EXERCISE

AN EXAMPLE

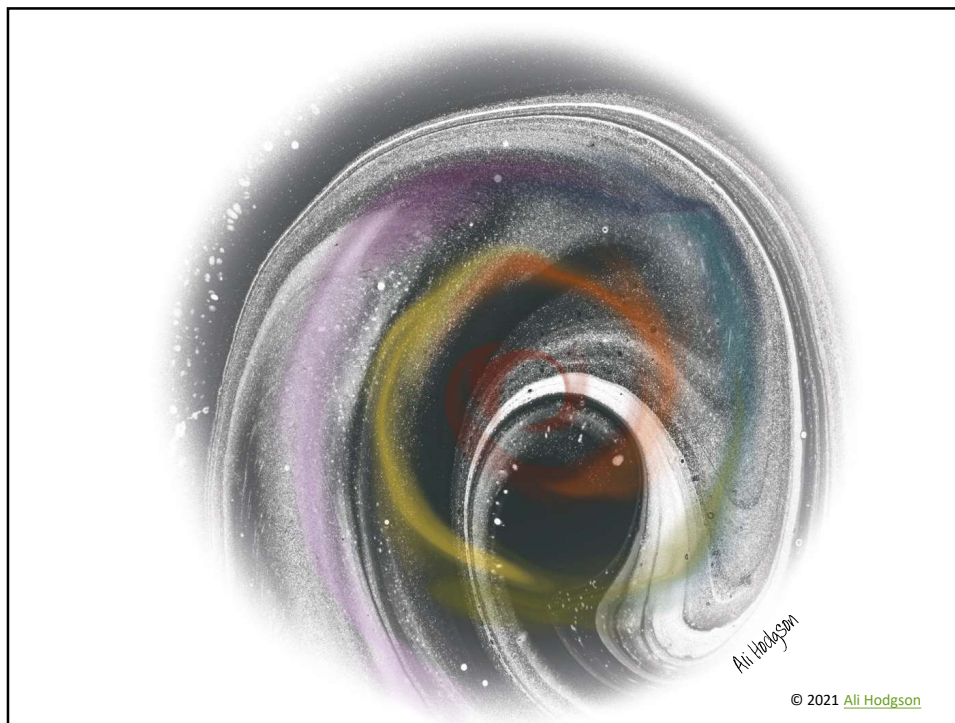
The Example is that of
DEVELOPING A GARDEN



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4

4



5

NULLAD – the Zeroth System



Designation	0-term qualsystem
Quality Attribute	Infinite Void
Nature	(W)Holeness
Terms	No-thing
Connectivities	Undivided_Totality

“The infinite system is the complete expression of all possible modes of connectedness without limits to the number and variety of terms.”

J.G.Bennett



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6

6

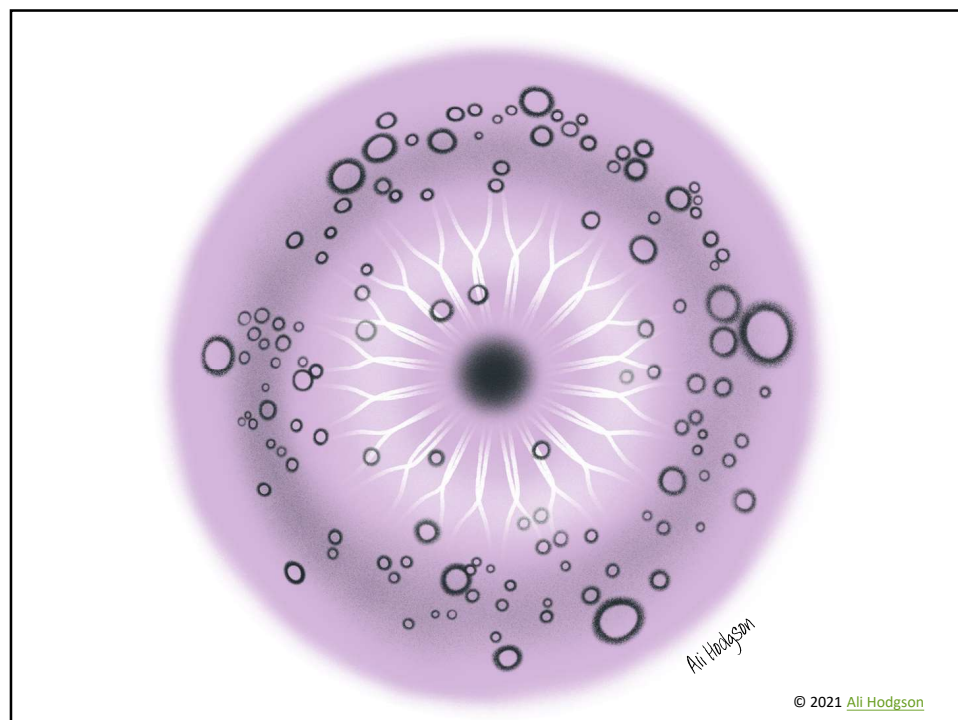
NULLAD – The Garden

The Universal Potential of Life

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7

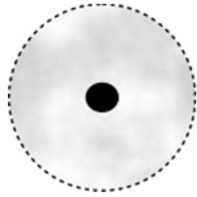
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8

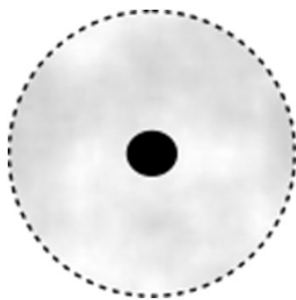
MONAD - Definition



Designation	1-term qualsystem
Quality Attribute	Wholeness
Nature	Unity in diversity; diversity in unity
Terms	Undifferentiated complexity
Connectivities	None



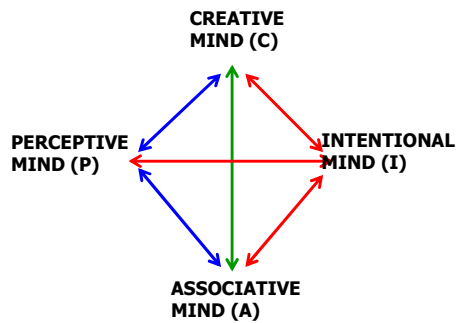
MONAD - This Garden



This particular desirable
garden
in this location
in this culture
in this climate
at this phase planetary
condition.



The attention structure for assimilating qualsystems



When you practice using and understanding a qualsystem (e.g a triad or a pentad) you start from your intentional mind.

I-P is contemplating the pattern of the system

I-A is evoking from memory the relevant terminology

I-C is holding on to the question or topic you are trying to understand

P-A is recovering the meaning of terminology and symbol

P-C is being alert to new meaning that has been evoked

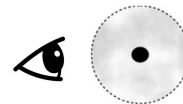
C-A is the reframing of mental patterns that creative insight brings – the aha or the shock!



11

11

MONAD – Perceptual Exercise



Visualisation Steps

- 1 Choose the whole you intend to focus on
- 2 What is its central nature that makes it unique and marks a distinction in interest?
- 3 Where do you draw the boundary between what is included and what is excluded? (Note – this is usually a fuzzy boundary)
- 4 How will you recognise it?
- 5 How will you point it out?

Supplementary Angles

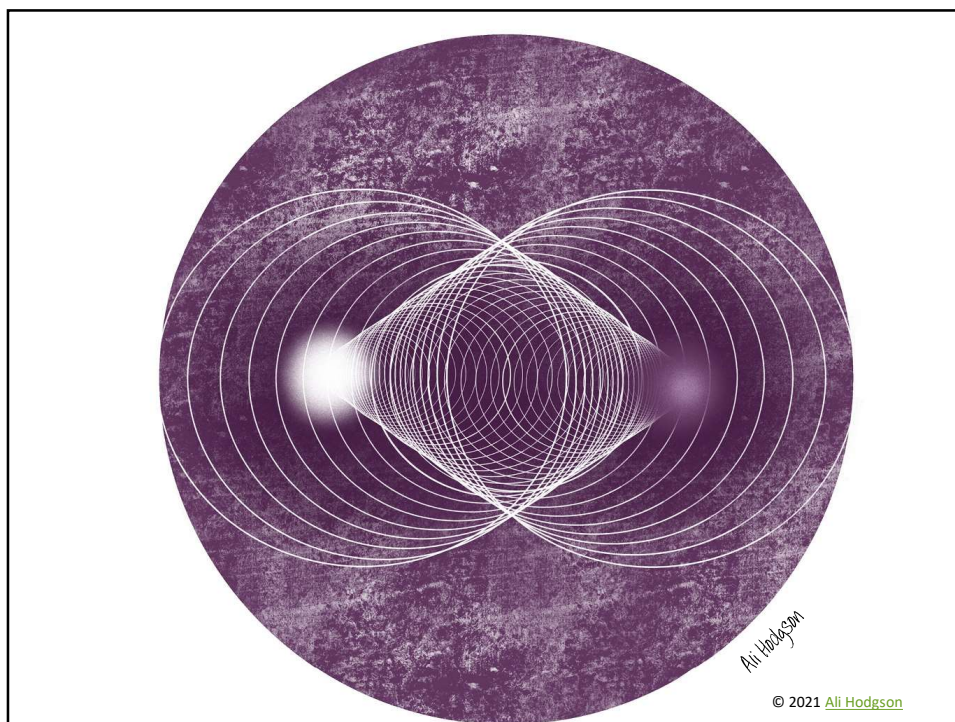
- The focus of relevance
- The central idea
- Beingness without yet being
- possibilities for the unfolding of an identity
- The universe of discourse
- The domain in question
- The zone of emergence



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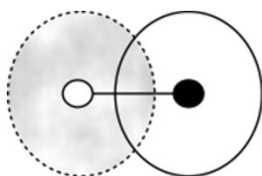
12

12



13


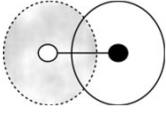
DYAD



Designation	2-term qualsystem
Quality Attribute	Complementarity
Nature	Force
Terms	Polar opposites Essence \leftrightarrow Existence
Connectivities	Tension Contradiction Dilemma




14


DYAD – Perceptual Exercise

<p><i>Visualisation Steps</i></p> <ol style="list-style-type: none"> 1 contemplate the monad 2 Within the monad seek fundamental tensions and forces 3 select what seems to be the main tension 4 identify and name two poles which oppose and contradict each other 5 reconsider them also as mutually necessary and complementary to each other 	<p><i>Supplementary Angles</i></p> <p>There is an inner and an outer</p> <p>The thing in itself and the thing for other</p> <p>Inner and outer direction of force</p> <p>Paradox and contradiction</p> <p>Unavoidability</p> <p>Inherent polar nature</p>
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15

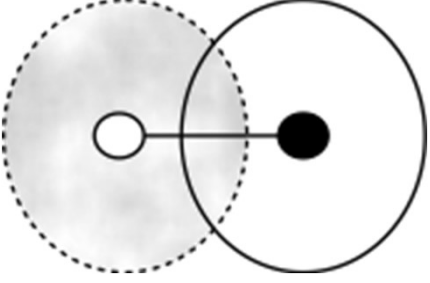
15

DYAD – This Garden




NATURE
(ESSENCE)

What is the
containing
habitat.
ecology.
seasonality?

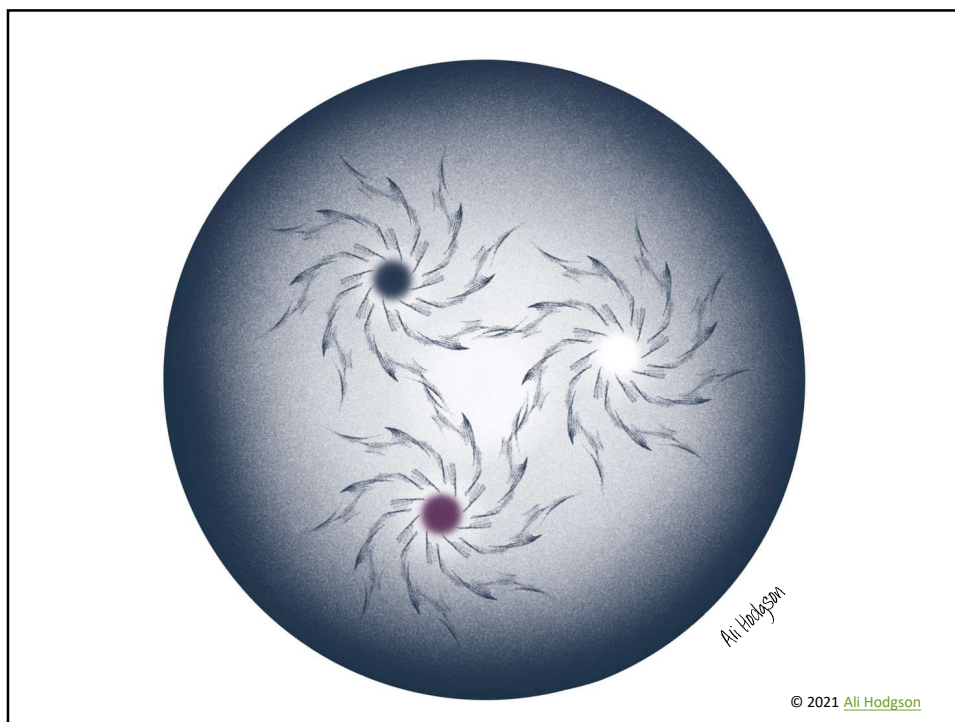


NURTURE
(EXISTENCE)

What is the
genre of
garden
design to be
evoked?

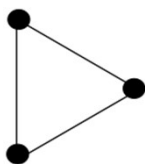

QUALITATIVE SYSTEMS THINKING
16

16



17

TRIAD

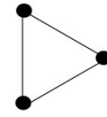


Designation	3-term qualsystem
Quality Attribute	Dynamism
Nature	Relationship
Terms	Affirming (+) or 1 Denying/receptive (-) or 2 Reconciling (=) or 3
Connectivities	Transmittive influences



18

TRIAD - Enrichment



(+) *Affirming*:-

pressure, domination, force, urge

(-) *Receptive*:-

potentiality, vehicle, capacity, ground,
denial, resistance

(=) *Reconciling*:-

life, transformation, freedom, grace,
mystery

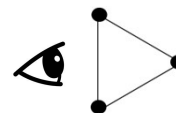


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19

19

TRIAD – Perceptual Exercise'



Visualisation Steps

- 1 contemplate the monad plus dyad
- 2 Within the dyad seek motion or movement beyond tensions and forces
- 3 what seems to be the main thrust engendering movement?
- 4 what seems to most resistant to or most absorbing of the main thrust?
- 5 what enables reconciliation and release of the previous two?
- 6 draw these up as a tiangle and consider their mutual necessity.

Supplementary Angles

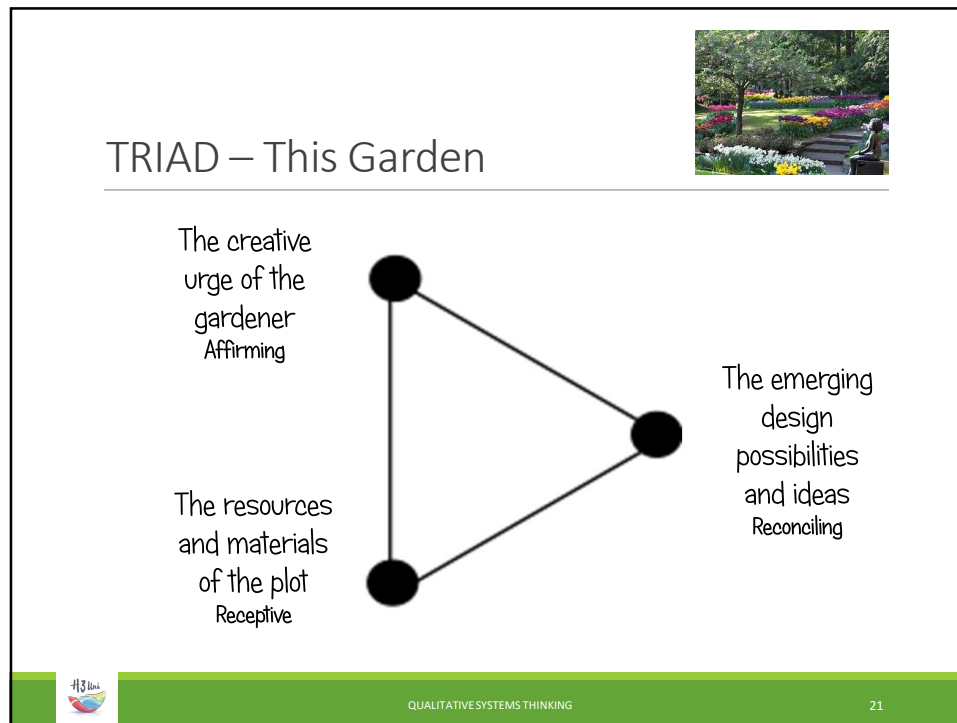
- Fertilizing the situation
- Invisible spontaneity
- Mysterious dynamic
- Exchange and mutual involvement
- Participation
- Reconciliation
- Exchange
- Universal actions
- Complex networks



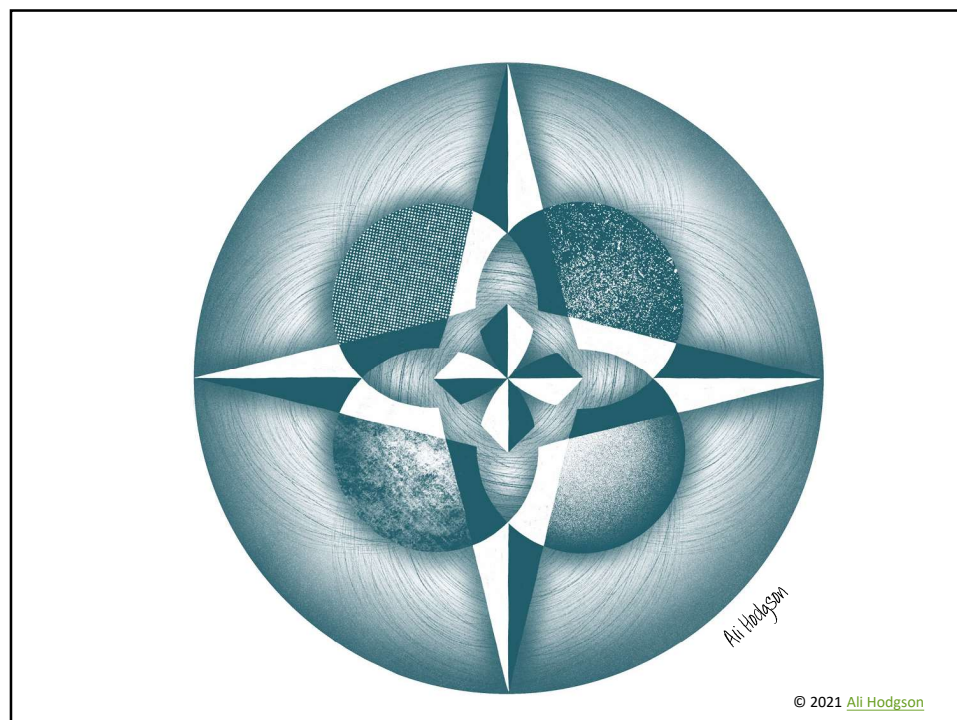
VERSION 1

20

20

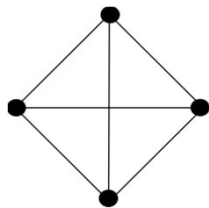


21



22

TETRAD



Designation	4-term qualsystem
Quality Attribute	Field of Action
Nature	Reciprocal causation
Terms	Ideal Pattern Medium (Material Ground) Instrumental Capacity Directive Agency (Skill)
Connectivities	Motivational Imperative Demonstrable Action Effectual Compatibility Receptive Regard Material Mastery Technical Power

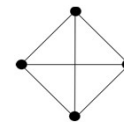


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23

23

TETRAD - Enrichment



□ Four causes (Aristotle)

- ❖ Final
- ❖ Material
- ❖ Efficient
- ❖ Formal

□ Reciprocity

- ❖ Ends/ situation/ means/ methods
- ❖ Intuition/ sensation/ thought/ feeling
- ❖ Theory/ empirical evidence/ interpretation/ experiment
- ❖ Pattern/ habitat/ life force/ organism

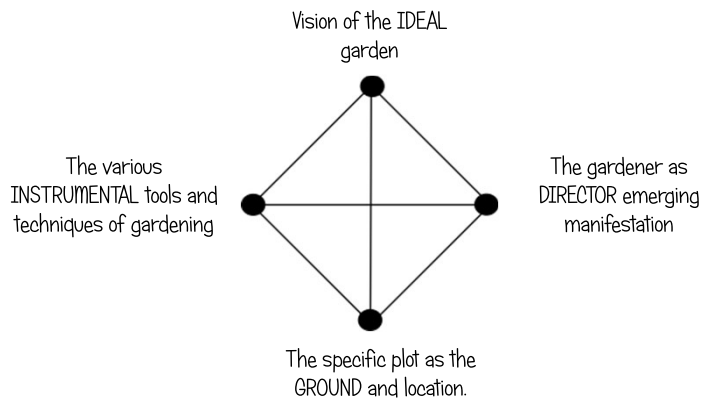


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24

24

TETRAD – This Garden

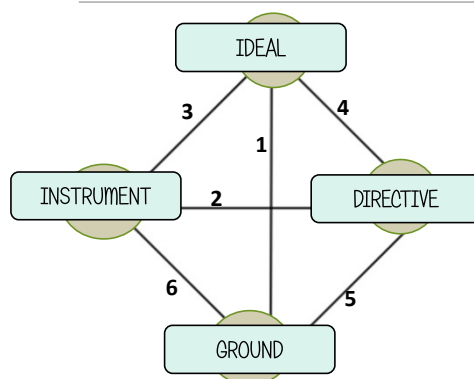


VERSION 1

25

25

TETRAD – the six interplays



1 the motivational imperative
Gardener's passion

2 the demonstrable activity
Tending the garden

3 the effectual compatibility
Right tools and plants

4 the receptive regard
Honouring the design

5 the material mastery
Skill and green fingers

6 the technical power
Working with nature

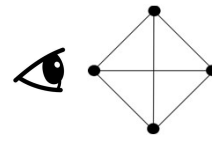
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SYSTEMS THINKING

QUALITATIVE

26

26

TETRAD – Perceptual Exercise



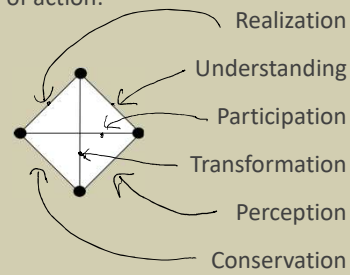
Visualisation Steps

- 1 contemplate monad + dyad + triad so far
- 2 Beyond the triad seek the field of action within which the dynamism can or is playing out
- 3 what is the ideal pattern or key idea setting up the field?
- 4 in what is the field grounded so it can manifest?
- 5 what is the instrumental or operational agency of the field?
- 6 what is directing or guiding the ongoing flow of the field?

Supplementary Angles

The six connecting lines:

Lines of action:-



VERSION 1

27

27

Summing up so far

~~~~~ = QUANTUM LEAP

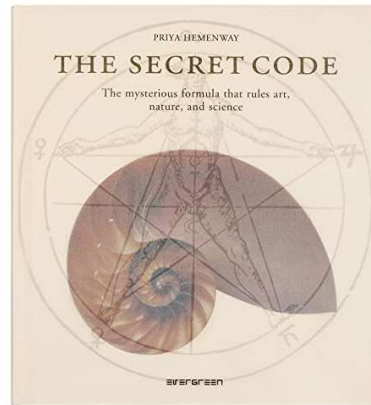
| Qualsystem Name | Systemic Designation | Main Perceptual Attribute | Additional Primary Qualities                                                  |
|-----------------|----------------------|---------------------------|-------------------------------------------------------------------------------|
| <b>MONAD</b>    | 1-term               | Wholeness                 | Multiplicity in Unity<br>Unity in Multiplicity<br>Undifferentiated Complexity |
| <b>DYAD</b>     | 2-term               | Complementarity           | Polarity<br>Distinction<br>Dilemma                                            |
| <b>TRIAD</b>    | 3-term               | Dynamism                  | Relatedness<br>Six variants<br>Motion and Movement                            |
| <b>TETRAD</b>   | 4-term               | Order                     | Field of Action<br>Network<br>Multiple Causation                              |

SUMMING UP



28

## Another View



This book deals with the Divine Proportion, a secret code that rules art, nature, and science. It is known by many names: Golden Mean, Sacred Cut and Phi are only a few; and it is not by chance that the Divine Proportion was given its name. It has been called divine because over thousands of years it has been deemed to be so.

This is more about geometry as such but the following pages have material on the MONAD, DYAD, TRIAD, TETRAD AND PENTAD.

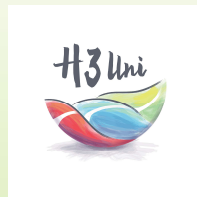
PAGES 51 - 63



QUALITATIVE SYSTEMS THINKING

29

29



# END

QUALITATIVE SYSTEMS THINKING



QUALITATIVE SYSTEMS THINKING

Page 1.30

30