

Parameters & Modes of Re-Presentation of what Presents

Dr M. Bouchon – 2021

RE-presentations *do not* fully apprehend situations that Present to awareness

The Parameters of Re-Presentation are conventions for abstraction

Symbolic

Numbers, Words, Symbols & Iconic representations (naturalistic, realistic-humanistic, imagistic)

Science (physical sciences)



Direction-Motion (N2d-N3p) Direction (orientation) and movement (motion)

Dimensions of geometry (non-measured but natural numbered)

Measure (geometry & mathematised topology counting elements of shapes = topographies)

Space-Time (physical & timed spaces)

Matter-Energy

Humanities & human sciences

Naming with words

Material-Adult Human (in the most normalized part of humanity, statistically dominant)

Matter-Mind (material-mental or physical-mental or Physike-Psyche [\leftrightarrow matter-energy])

Human-Physical (biological matter or [Pneuma, breath])

Evaluation, Comparison

Superior-Inferior, Good-Bad, numbered scales

Combinatorics combinations & re-combinations

N2dual-N3p polar: action patterns, patterns of activity, patterned activity \rightarrow Rise \leftrightarrow Return
 \rightarrow Stable \leftrightarrow Established

(0,1) simplification for Sequence/ Linear,

complications for 'complex' (ignoring the multi-dimensional logic)

Algorithmic computations

up-down, right-left, in-out, on-off... = simplifications of Spiralling

0D-'One' for emergence, complex Integration or Re-Integration, Evolution, Bifurcation

System-Environment

Fragmentation-ReIntegration

Integration \Rightarrow empire, kingdom, psychological integration, sensory integration, crisis-reintegration

Capital 'Center of The World', Country power-center of 'The World'

Self-centered, self 'center of the world'

Anthropo-centered, 'Anthropocene' earth époque, planet as global 'the world' (human)

Promise of Peace ... *FOR A TIME,*

but just restarts the whole deployment \Rightarrow circumnavigation of the general perspectives yet again: 'nothing new under the sun' re-develops general culture

Statistics & Probabilities simplifications

Counting with natural numbers

(0,1), point-set

Systemic

System-Environment interaction

= System with Border & En-vironment: Object, Subject, skin encapsulated body or self, border-defined world, universe, group, "in"-cliques... → creates philosophical questions of Origin-End and infinity-nothing
Self-world (human, social, mental, societal 'brain simulation')
Human-Other, We-Other, Me-others
Nature-Humans: tribal definition of Human as not animal (dangerous wild beast)
Body-World (spatial, physical, material)

Logic



As simple as **Intervals**

Timed spaces: **Sequential – Simultaneous – Sudden** or with a timing

Geometric dimensions ↔ **Orders of logic** = orders of complexity, degrees of gravity in disease, dimensional logic in orders of abstraction, deployment to Boundary

The modes of RePresentation & the many languages to express cognition

N2d-'Out' or 'Ex-' expression – Extension ↔ Localisation

- Words, Numbers, Images [naturalistic, realistic, imagistic, iconic] → imagination, psychic, soul
 - Songs, Stories, Symbolising → analogies, metaphors
 - Measured geometry
- = all have the same fundamental parameters of representation (N2d-N3p) & (0,1)

'In'– impression 'within'

- Sensory: visual, auditory... texture
- Homunculus in the brain
- Interoceptive : pressure, gradients at surfaces
- Translated into brain-constructed e-Motions

Hidden

- *(Representations)* (presenting)
Auto-reinforcing (like cancer or pest behaviour) VS **Auto-limiting** (like Osmosis)
- Oriented to Boundary / to limits: **Activation** of survival behaviour
Examples of striking similarity:

Medical frameworks

N3- operational systems to activate
N3p-activation modes & N2d- balance (horizontal)

&

Religious or spiritual frameworks

N3-Trinities & N2- Duality
N3p-N2d spiriting, quickening
from archaic notions of spirited behaviour, 'good' or 'bad' spirit

Orientation: Up

Activating

Spiriting

Non-separating 'In-Out', not fragmenting

*The Animated Geometry has one more parameter to observe: **Boundary***

- operational limits
 - connective borders are also dis-connective
 - 4D-0D **'boundary behaviour'** : reaching limits and passing limits ('on edge', 'over the edge', 'sin')
- This cognitive mode has not yet been described formally and systematically in scholarly literature. It only has many names and confusing descriptions (see below).

What 'Presents', without Re-Presentations, constructions, parameters

Stuck in RePresentations of what Presents, in Perspectives, in a filtered 'reality'

RE-presentations *do not* fully apprehend what Presents to awareness.

- Re-presentations constitute the contents of culture and received knowledge, which keeps developing. They are culture-bound, constructed through **learned mental filters**. The majority of people live in that collectively agreed constructed world. For increasing numbers, it is the '**Phantasia**' of the **visual, flat 2D 'screen of the mind' that can imagine reality and infuse with emotions - visualisation**. A few, however, tell us that this is a '**Brain Simulation of Reality**', a '**Collective Hypnosis**', a societal '**virtual reality**' that has become a 'System' of survival; it is being called '**the Matrix**', or the **Sleep or Dream** we have to wake up from, etc.
- However, this is **NOT** 'wired in' in *all* humans. Re-presentations are oriented and related to memory and survival, but this is not the only state of existence, although it is the most common.
- The representations originate with orienting, geometric projection, perspective, and give rise to opinionated abstract perspectives on everything, which can be quite remote from actual daily life at human scale.

The Perspectives Mapping method©.

Abstracting and using parameters of representation allows to understand the essential of the meaning of perspectives and their biased focus of representation, but also to map them, and thus to see their connections, similarities and oppositions.

This method also allows to see their common ground, where communication, collaboration is possible even if we do not agree on many things.

See PhD chapters (Bouchon 2008).

The many names of the observation mode to cognise 'what presents'

What helps recover the full view of what presents to awareness also has many names:

Awareness in cognition, **Direct Apprehension** in philosophy, **Direct Knowing** in first person social science or phenomenological studies, and **Presence**, or **Presence in the Moment** in personal or trans-personal development. Spiritual writers also use **Open Awareness** (without sense of self).

This is different from self-consciousness, 'consciousness' of existing as an individual, and from the process by which specific thoughts arise from neurons.

This 'awareness' is can be achieved, we are told, by many years of spiritual practices for 'Awakening' or 'Quickening' or 'Raising Consciousness', but it can also be a simple **Remembering** a child-like state.

Philosophers of nature call this cognitive mode **Natural Awareness**, associating it instead with the Homo sapiens animal that humans are.

One more phenomenon confuses the issue: this 'awareness' can be source of a mathematician's insight (see videos on Roger Penrose, on the page Geometry of the website). This is an advanced cognition.

Lastly, the lack of definitions leads to confusion:

Insight is often confused with *Intuition*; the difference is:

- Direct insight 'just knows'... the 'shape of things' or 'what to do' (action in a generic situation, or new concept in *generalist* abstract thinking, which can produce a new theorem)
- In-tuition teaches or gives a *specific* solution:
 - gifted fast mind intuition 'just knows'... the *specific* answer without working it out in logical linear reasoning
 - the mind-brain can teach directly into the head: person hearing a voice, being taught sometimes without words, downloading from Collective Consciousness or channelling, being driven to proselytise or driven to war [see book *The Bicameral Mind*], etc. There are many forms of this, from scientific discovery to criminal forms.

The un-describable, un-namable....

There is however one situation that cannot be represented with parameters, including of Boundary: a situation that is nowhere near limits. In spiritual traditions, is it 'un-namable'. Although most of medicine seeks 'powerful' and 'fighting' mechanisms to maintain integrity, some medical thinkers considers the spontaneous and effortless maintenance of integrity a puzzle:

Findings from The Peckham Experiment (1930's Britain):

"Ease is one of the outstanding action-patterns of health. It appears, for instance in the infant as serenity." (p.188) [...] 'Between the "immune" and the "insusceptible" there is a difference in the body's action-pattern. We do not, however, yet know on what this attribute of insusceptibility rests."

(p.238) Williamson G., Pearse S., Innes H. 1965. *Science, synthesis and sanity*, Scottish Academic Press, Edinburgh, Scotland.
This still salient question is un-answerable by using the conventional parameters of representation that describe 'action patterns'. It is simple to model with a basic geometric topology.

The Animated Geometry is a « likeness » imaging of Boundary properties

➤ It is a « **Geometry of Mind** » (mind imaging)

can be *partially re-presented* by **geometric topology animations** (mathematical topology)

Computer-generated animations (using plain *geometric projection*), not artistic rendering even on computer (using *visual perspective*)

but this cannot represent the domain *away from* Boundary

➤ It is a « **Geometry of Sensation** » (sensation, sensing without separation body-world, without fragmentation)

can be *partially re-presented* by **gestures** (non-mathematised purely geometric topology)

Choosing a *shape in motion* to speak of an *aspect* of the situation, but it is intrinsically not possible to use the same geometric shapes for all aspects of the situation. For example, a 3D-sphere volume size can represent deployment, 2D-surfaces for limits, 3D-spiral motion for critical conditions. The undivided entirety of the situation can only be sensed by a biological being.

The 'likeness' modelled can only be partially re-presented

NOT by naturalistic analogy, realistic word metaphor, story parable

NOT by a geometry of shapes (modern mathematised topology or ancient sacred geometry: topographies rather than topology)

But by Geometric Topology, a non-mathematised topologic imaging of geometric nature.

Even though language bears countless traces of this cognitive mode, and reactive people (often with syndromes) produces gestures of this kind, in general culture, this purely geometric topology is not recognized – it is an '**alien**' language, known only to a small portion of mathematicians.

The domain away from Boundary

There is also a domain that cannot be RE-presented with all these parameters because it is **non-orienting to Boundary** and *non-fragmenting/separative*.

Not only it does not involve critical instability states and complex re-organisations, but also it has the ability to un-deploy them and to 'un-do' completely, *without loosing* access to all things advanced.

•It is **auto-limiting** like osmosis (but not reduced to physical)

•It behaves like a **wave-that-does-not-break or 'tear the fabric'**

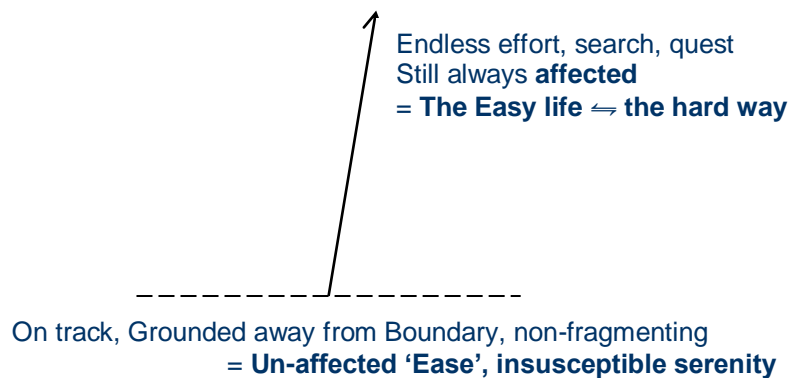
•It allows to maintain **integrity or 'foundation', non-fragmentation or 'not falling apart', 'not breaking down':**

'whole' (3D), 'ground' (2D) or 'being on track' (1D) (e.g. EX-pressed as 'come back on track' if Pressure settles); or simply '**staying Safe & Sound**' (without particular effort or goal targeting).

The domain near-at-past Boundary

In contrast, all the Re-Presentations in the brain and mind are varied expressions of the Boundary parameter, and the survival mechanisms. They are

- are **auto-reinforcing**
- end up in **critical behaviour**, like a surf **wave that breaks**
- the end deployment turns to mist, turns to bubbles bursting, falls apart, 'Fall' etc., even if there are intermediary complex re-organisations, because these keep becoming ever more 'un-grounded', deployed to boundary and breaking Boundary
- The 'on track' is replaced by an **endless asymptote** with no end to ever be quite reached (**approximation, errors, chance...**), and never-quite 'the same' as the 'original state', the **initial state before deployment**.
- The endless asymptote is *oriented*, and *at 90° + an angle of Drift*, compared to the 'on track'; it leads, pushes 'up' to deployment instead of allowing un-deployment of survival mechanisms. This is why progress never-quite reaches perfection, complete knowledge, real and lasting freedom or peace, etc. It drifts ever further away from Ease, despite the countless means to make living 'easier' (which automatically come, symmetrically, with ways to make living increasingly complicated).



Culture teaches us that we must be approaching complete knowledge or perfection, or the easy life. This is inverted compared to the geometric likeness of what societal culture is raising. The collective 'We' is steering *away* from spontaneous ease, not towards it; only the Animated Geometry makes this clear.