Graphical [Pictogramic] Summary

Visualizations

of

Dialectical Ideography:

The Q Ideography

Originally Circulated: 25 November 1999
Last Updated: 14 March 2004

Partition-Principle -- Glossary of 'Self-Hybrid' / Non-Hybrid ***Ontos*:**

Ideographic Notation for the qualitative unities or unit-qualifiers, interpreted for Taxonomy Level One, Non-Hybrid *Ontological Categories* or *Ontos* Constituent of the

Onto-Dynamic, Self-Meta-Evolving Ontology Set / Sum, $^{1}\underline{\mathbf{Q}}_{\tau}$:

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n denotes the ***onto*** of pre-sub-atomic / pre-nuclear fields / particles [e.g., photons], plus anything prior / unknown to present science $\equiv \underline{\mathbf{q}}_{n} \leftrightarrow \underline{\mathbf{q}}_{1}$

s denotes the ***onto*** of sub-/pre-atomic fields / particles [e.g., protons] $\equiv \underline{\mathbf{q}}_{s} \leftrightarrow \underline{\mathbf{q}}_{2}$

a denotes the ***onto*** of atoms $\equiv \underline{\mathbf{q}}_{a} \leftrightarrow \underline{\mathbf{q}}_{4}$

m denotes the ***onto*** of molecules $\equiv \underline{\mathbf{q}}_{m} \leftrightarrow \underline{\mathbf{q}}_{8}$

p denotes the ***onto*** of prokaryotic biological cells $\equiv \underline{\mathbf{q}}_{p} \leftrightarrow \underline{\mathbf{q}}_{16}$

e denotes the ***onto*** of eukaryotic biological cells $\equiv \underline{\mathbf{q}}_{e} \leftrightarrow \underline{\mathbf{q}}_{32}$

b denotes the ***onto*** of meta-biota -- multi-cellular plants and animals $\equiv \underline{\mathbf{q}}_{b} \leftrightarrow \underline{\mathbf{q}}_{64}$

ℓ denotes the ***onto*** of animal societies, proto-ℓanguage-based meta-meta-biota $\equiv \underline{\mathbf{q}}_{\ell} \leftrightarrow \underline{\mathbf{q}}_{128}$

h denotes the ***onto*** of human[oid] societies, of meta-social metazoa $\equiv \underline{\mathbf{q}}_{h} \leftrightarrow \underline{\mathbf{q}}_{256}$

⋮

Relationships Among the Taxonomy Level One Non-Hybrid *Ontos*

Arithmetic / Algebraic Inequality [$\neq$, $\not\equiv$]:

$\underline{n} \neq \underline{s} \neq \underline{a} \neq \underline{m} \neq \underline{p} \neq \underline{e} \neq \underline{b} \neq \underline{\ell} \neq \underline{h}$ [general inequality]

$\underline{n} \not\equiv \underline{s} \not\equiv \underline{a} \not\equiv \underline{m} \not\equiv \underline{p} \not\equiv \underline{e} \not\equiv \underline{b} \not\equiv \underline{\ell} \not\equiv \underline{h}$ [*qualitative* inequality]

Analytic-Geometric Mutual-Perpendicularity or Difference of Dimension, i.e., of *Direction* [$\perp$]:

$\underline{n} \perp \underline{s} \perp \underline{a} \perp \underline{m} \perp \underline{p} \perp \underline{e} \perp \underline{b} \perp \underline{\ell} \perp \underline{h}$

Precedence -- Necessary Temporal Succession or *Order of Appearance* / Emergence [$\rightarrow$]:

$\underline{n} \rightarrow \underline{s} \rightarrow \underline{a} \rightarrow \underline{m} \rightarrow \underline{p} \rightarrow \underline{e} \rightarrow \underline{b} \rightarrow \underline{\ell} \rightarrow \underline{h}$

Norm -- "pure quantitative" *size* of $[\,\underline{0}, |\,\underline{q}_k\,|\,]$ = *length* of interval from $\underline{q}_0$ to $|\,\underline{q}_k\,|$, abstracting from all other quality, i.e., abstracting from *direction* $[\|\,\underline{q}_k\,\|\,]$:

$\|\,\underline{n}\,\| = \|\,\underline{s}\,\| = \|\,\underline{a}\,\| = \|\,\underline{m}\,\| = \|\,\underline{p}\,\| = \|\,\underline{e}\,\| = \|\,\underline{b}\,\| = \|\,\underline{\ell}\,\| = \|\,\underline{h}\,\| = 1$ unit of length.

The «*Aufheben*» *Evolute Product*

of Metanumber Unities or Unit-Qualifiers Interpreted as Ontic Eventities

- Exogenous, 'Exogamous', 'Hybrid' General Case, $k \neq m$.

$\underline{\text{parent-process}}_k[\,\underline{\text{parent-process}}_m\,] = \underline{\text{parent-process}}_k$ "×" $\underline{\text{parent-process}}_m =$

$\underline{\text{parent-process}}_m + \underline{\text{offspring-hybrid-process}}_{k+m}$;

$\underline{\text{eventity}}_k[\,\underline{\text{eventity}}_m\,] = \underline{\text{eventity}}_m + \underline{\text{hybrid-eventity}}_{k+m}$;

$\underline{\text{eventity}}_k \ \ddagger\ \underline{\text{eventity}}_m$ and $\underline{\text{eventity}}_k \ \ddagger\ \underline{\text{hybrid-eventity}}_{k+m} \ \ddagger\ \underline{\text{eventity}}_m$.

- Endogenous, 'Endogamous', 'Parthenogenetic', 'Self-Hybrid' Special Case.

$\underline{\text{parent-process}}_k[\,\underline{\text{parent-process}}_k\,] = [\,\underline{\text{parent-process}}_k\,]^2 =$

$\underline{\text{parent-process}}_k + \underline{\text{offspring-meta-process}}_{k+k} =$

$\underline{\text{parent-process}}_k + \underline{\text{offspring-meta-process}}_{2k}$;

$\underline{\text{eventity}}_k[\,\underline{\text{eventity}}_k\,] = \underline{\text{eventity}}_k + \underline{\text{meta-eventity}}_{2k}$; $\underline{\text{eventity}}_k \ \ddagger\ \underline{\text{meta-eventity}}_{2k}$.

The «*Aufheben*» *Evolute Product*
of Onto-Dynamic Contra-Boolean Metanumber Unities

General Case: [the generalized, qualitative ***evolute product***, in contrast to typical ***convolute products***].

Given two onto-dynamic metanumber unities or unit-qualifiers, $\underline{\mathbf{q}}_k$ & $\underline{\mathbf{q}}_m$, both constituents of ${}^1\underline{\mathbf{Q}}_\tau$, for some τ, such that integers $\mathbf{k} \neq \mathbf{m}$ and, therefore such that $\underline{\mathbf{q}}_k \neq \underline{\mathbf{q}}_m$, $\underline{\mathbf{q}}_k \perp \underline{\mathbf{q}}_m$, & $\underline{\mathbf{q}}_k \nparallel \underline{\mathbf{q}}_m$;

$\underline{\mathbf{q}}_k[\underline{\mathbf{q}}_m] = \underline{\mathbf{q}}_k\underline{\mathbf{q}}_m = \underline{\mathbf{q}}_m + \underline{\mathbf{q}}_n \nparallel \underline{\mathbf{q}}_m\underline{\mathbf{q}}_k$, with $\mathbf{n} > \mathbf{k}, \mathbf{m}$; or $\underline{\mathbf{q}}_k, \underline{\mathbf{q}}_m \dashv \underline{\mathbf{q}}_n$; & $\mathbf{n} = \mathbf{k} + \mathbf{m}$;

& $\underline{\mathbf{q}}_k \perp \underline{\mathbf{q}}_m \perp \underline{\mathbf{q}}_n$, & $\underline{\mathbf{q}}_k \nparallel \underline{\mathbf{q}}_m \nparallel \underline{\mathbf{q}}_n$. This product is non-commutative, $\underline{\mathbf{q}}_k\underline{\mathbf{q}}_m \neq \underline{\mathbf{q}}_m\underline{\mathbf{q}}_k$.

Special Case -- *Self-Quadratic*, Non-Hybrid: [Note: as in Boolean unit-interval or "logical" algebra, where $\mathbf{1} + \mathbf{1} = \mathbf{1} \neq \mathbf{2}$, in meta-Boolean multi-quality multi-unit-interval algebra, for a unit $\underline{\mathbf{q}}_x$, $\underline{\mathbf{q}}_x + \underline{\mathbf{q}}_x = \underline{\mathbf{q}}_x \neq 2\underline{\mathbf{q}}_x$].

Given $\underline{\mathbf{q}}_k$ & $\underline{\mathbf{q}}_m$, such that integers $\mathbf{k} = \mathbf{m}$, & $\therefore$ with $\underline{\mathbf{q}}_k = \underline{\mathbf{q}}_m$; $\underline{\mathbf{q}}_k[\underline{\mathbf{q}}_k] = \underline{\mathbf{q}}_k + \underline{\Delta\mathbf{q}}_k$;

$\underline{\mathbf{q}}_k\underline{\mathbf{q}}_k = \underline{\mathbf{q}}_k\underline{\mathbf{q}}_m = \underline{\mathbf{q}}_m\underline{\mathbf{q}}_k = \underline{\mathbf{q}}_m{}^2 = \underline{\mathbf{q}}_k{}^2 = \underline{\mathbf{q}}_m + \underline{\mathbf{q}}_{m+m} = \underline{\mathbf{q}}_k + \underline{\mathbf{q}}_{2k} = \underline{\mathbf{q}}_m + \underline{\mathbf{q}}_{2m}$

& $\mathbf{n} = \mathbf{2k} = \mathbf{2m}$, or $\underline{\mathbf{q}}_k, \underline{\mathbf{q}}_m \dashv \underline{\mathbf{q}}_n$, & $\underline{\mathbf{q}}_n \perp \underline{\mathbf{q}}_k = \underline{\mathbf{q}}_m$, & $\underline{\mathbf{q}}_n \nparallel \underline{\mathbf{q}}_m = \underline{\mathbf{q}}_k$, & $\underline{\Delta\mathbf{q}}_k = \underline{\mathbf{q}}_n$.

Interpreted Examples:

General Case -- bread, wine, and cheese, are all constituents of the hybrid ***onto*** $\underline{\mathbf{q}}_{hbe}$, arising from $\underline{\mathbf{q}}_{352} \leftrightarrow \underline{\mathbf{q}}_h[\underline{\mathbf{q}}_{be}] - \underline{\mathbf{q}}_{be} = \underline{\mathbf{q}}_{h[be]}$, denoting the ontic category emerging as a product of the action of constituents of the ***onto*** of human society, $\underline{\mathbf{h}} = \underline{\mathbf{q}}_h$, upon products of the action of constituents of $\underline{\mathbf{e}}$ upon products of the action of constituents of $\underline{\mathbf{b}}$, $= \underline{\mathbf{q}}_{be}$.

Special Case -- $\underline{\mathbf{n}}[\underline{\mathbf{n}}] = \underline{\mathbf{n}} + \underline{\mathbf{s}}$; $\underline{\mathbf{a}}[\underline{\mathbf{a}}] = \underline{\mathbf{a}} + \underline{\mathbf{m}}$; $\underline{\mathbf{p}}[\underline{\mathbf{p}}] = \underline{\mathbf{p}} + \underline{\mathbf{e}}$; $\underline{\ell}[\underline{\ell}] = \underline{\ell} + \underline{\mathbf{h}}$;
$\underline{\mathbf{s}}[\underline{\mathbf{s}}] = \underline{\mathbf{s}} + \underline{\mathbf{a}}$; $\underline{\mathbf{m}}[\underline{\mathbf{m}}] = \underline{\mathbf{m}} + \underline{\mathbf{p}}$; $\underline{\mathbf{e}}[\underline{\mathbf{e}}] = \underline{\mathbf{e}} + \underline{\mathbf{b}}$; $\underline{\mathbf{h}}[\underline{\mathbf{h}}] = \underline{\mathbf{h}} + \underline{?}$

Geometric / Pictographic Representations of the Taxonomy Level One, Ideographic, Onto-Dynamic Cosmos-Model:

I. Anisotropic, Contra-Cartesian / Contra-Boolean, $\mathbf{D(\tau)}$-dimensional Unit-Space

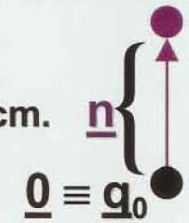
[Unit τ-Space of self-meta-evolving Ontology Set, Ontological State-Vector, or ***Universal Qualities-Sum***, ${}^{1}\underline{\mathbf{Q}}_{\tau}$]

Ideographic [algebraic] representation | **Pictographic / Morphometric ["geometric"] representation**

$\boxed{\tau = 0:}$ $\quad {}^{1}\underline{\mathbf{Q}}_{0} = [\,\underline{\mathbf{n}}\,] = \underline{\mathbf{n}}$

$\mathbf{D(\tau) = 2^{0} = 1}$

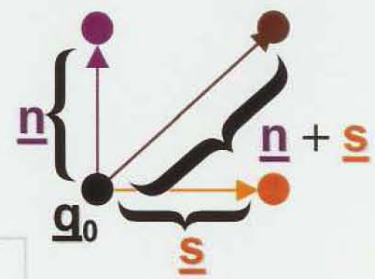
1 unit of length, i.e., $||\underline{\mathbf{n}}|| = \mathbf{1}$ **cm.**



dimensionality of the Ontological State-Space @ $\tau = \mathbf{0}$ is **1**

$\boxed{\tau = 1:}$ $\quad {}^{1}\underline{\mathbf{Q}}_{1} = {}^{1}\underline{\mathbf{Q}}_{0}{}^{2} = [\,\underline{\mathbf{n}}[\,\underline{\mathbf{n}}\,]\,] = [\,\underline{\mathbf{n}} + \underline{\mathbf{s}}\,] = [\,\underline{\mathbf{n}} + \underline{\mathbf{s}}\,]$

$\mathbf{D(\tau) = 2^{1} = 2}$



@ $\tau = \mathbf{1}$, dimensionality = **2**

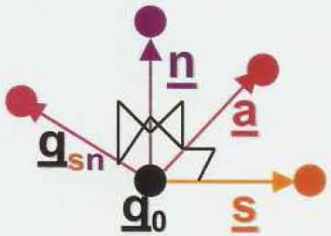
1 unit of length, i.e., $||\,\underline{\mathbf{s}}\,|| = \mathbf{1}$ **cm.**

$\boxed{\tau = 2:}$ $\quad {}^{1}\underline{\mathbf{Q}}_{2}{}^{1} = {}^{1}\underline{\mathbf{Q}}_{1}{}^{2} = {}^{1}\underline{\mathbf{Q}}_{0}{}^{4} = [\,\underline{\mathbf{n}} + \underline{\mathbf{s}}\,]^{2} =$

$\mathbf{D(\tau) = 2^{2} = 4}$ $\quad [\,\underline{\mathbf{n}} + \underline{\mathbf{s}} + \underline{\mathbf{q}}_{sn} + \underline{\mathbf{a}}\,],$

where $\quad \underline{\mathbf{n}} \nparallel \underline{\mathbf{s}} \nparallel \underline{\mathbf{q}}_{sn} \nparallel \underline{\mathbf{a}}$

and $\quad ||\,\underline{\mathbf{n}}\,|| = ||\,\underline{\mathbf{s}}\,|| = ||\,\underline{\mathbf{q}}_{sn}\,|| = ||\,\underline{\mathbf{q}}_{ns}\,|| = ||\,\underline{\mathbf{a}}\,|| = \mathbf{1}$ unit of length

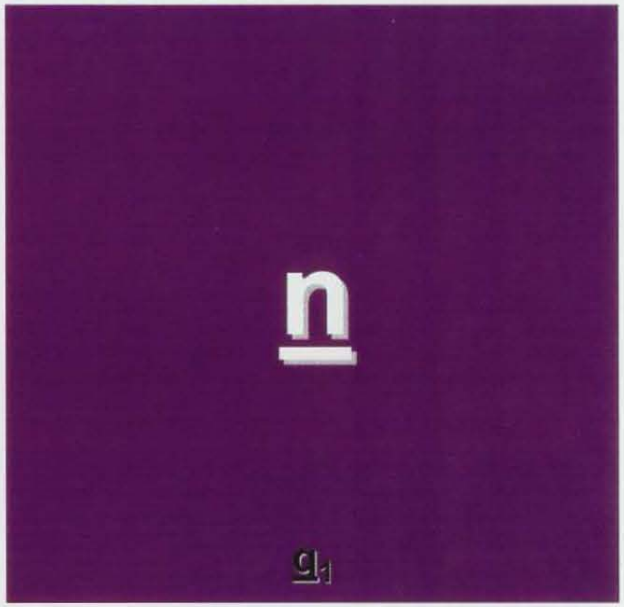


@ $\tau = \mathbf{2}$, dimensionality = **4**

not fully depictable:
$\underline{\mathbf{n}} \perp \underline{\mathbf{s}} \perp \underline{\mathbf{q}}_{sn} \perp \underline{\mathbf{a}} \perp \underline{\mathbf{n}}$

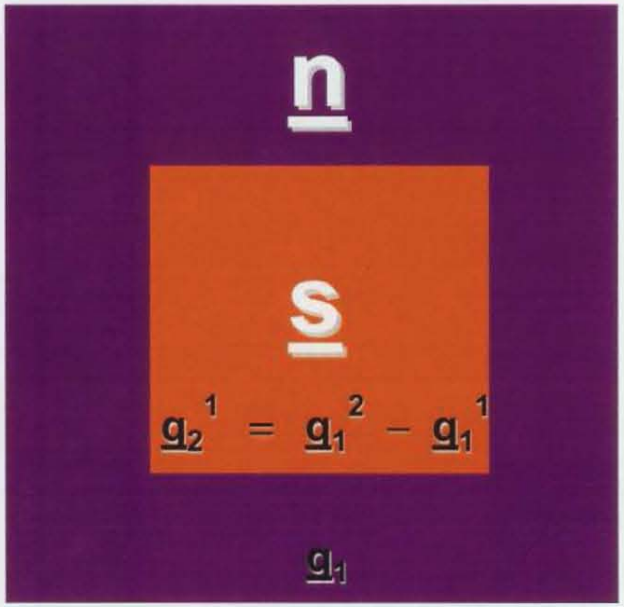
Geometric / Pictographic Representations of the Taxonomy Level One, Ideographic, Onto-Dynamic Cosmos-Model:

II. Meta-Venn Set-Space
[*Sortal Geometry*]



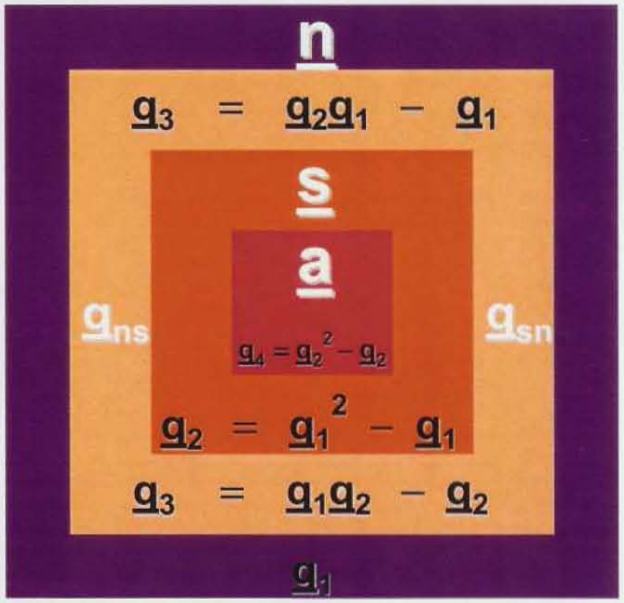
metastate of cosmic cumulum during $0 \leq \tau < 1$

$^1Q_0$ →



metastate of cosmic cumulum, $1 \leq \tau < 2$

$^1Q_1$ →



metastate of cosmic cumulum, $2 \leq \tau < 3$

$^1Q_2$ →

$^1Q_3$ →

see blow-up, next page

metastate of the *multi-meta-ontic, multi-meta-monadic, meta-fractal* cumulum of the cosmos during $3 \leq \tau < 4$:

The Combinatoric Explosion begins --

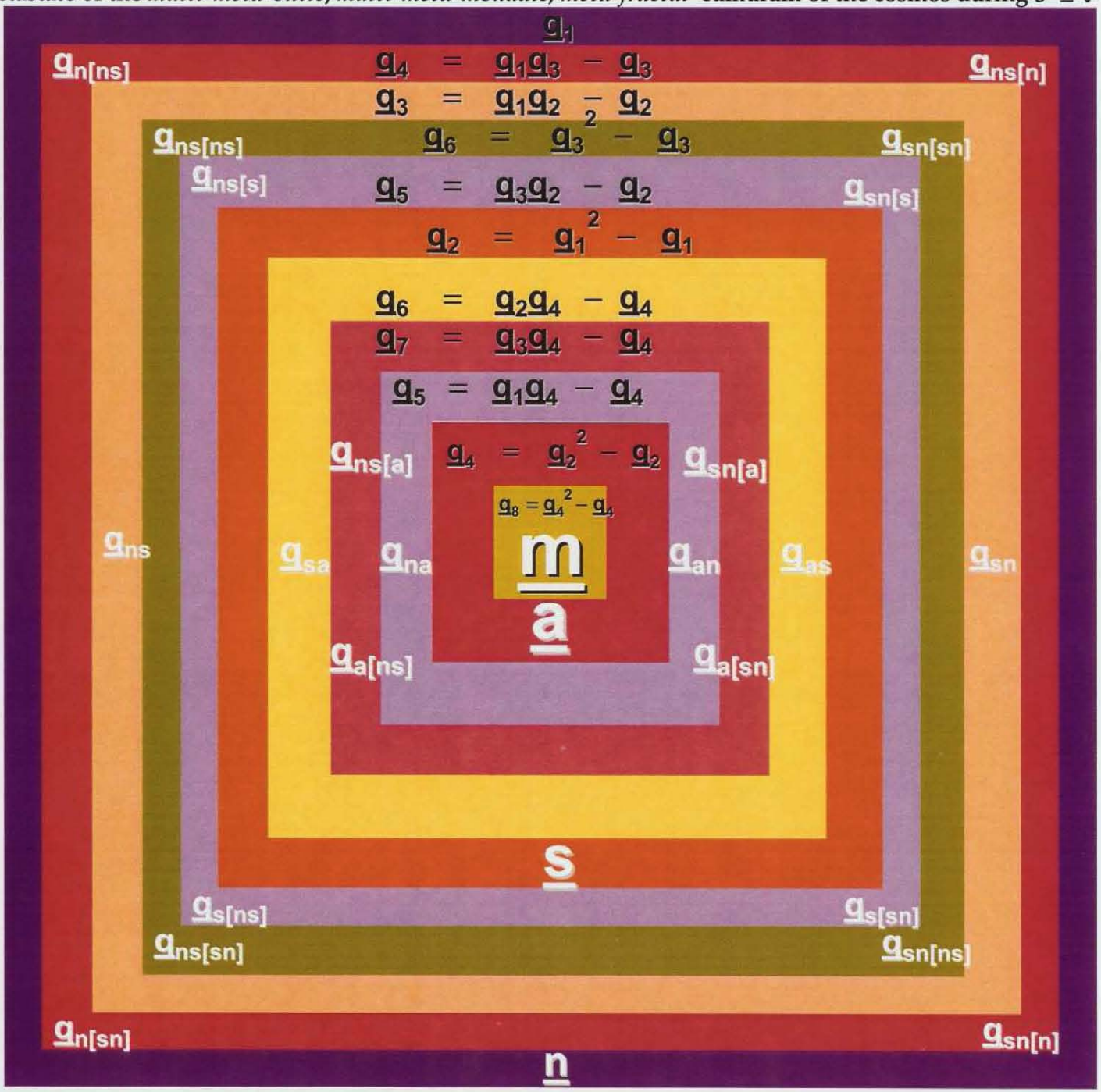
Meta-Venn Diagram for

$${}^{1}\underline{Q}_{3}^{2^{0}} =$$

$${}^{1}\underline{Q}_{2}^{2^{1}} =$$

$${}^{1}\underline{Q}_{1}^{2^{2}} =$$

$${}^{1}\underline{Q}_{0}^{2^{3}} =$$



[Note the issue of '***confounding***' of ***ontos*** evident in this diagram, i.e., the incapacity of the non-Gödelian versions of the $\underline{Q}$ arithmetic to ***distinguish*** *interpreted* ***ontos***, like the following:

$\underline{q}_{nsa} = \underline{q}_{ns} \cdot \underline{q}_{a} - \underline{q}_{a}$;

$\underline{q}_{nsa} = \underline{q}_{n} \cdot \underline{q}_{sa} - \underline{q}_{sa}$;

$\underline{q}_{nas} = \underline{q}_{na} \cdot \underline{q}_{s} - \underline{q}_{s}$;

$\underline{q}_{nas} = \underline{q}_{n} \cdot \underline{q}_{as} - \underline{q}_{as}$;

$\underline{q}_{sna} = \underline{q}_{sn} \cdot \underline{q}_{a} - \underline{q}_{a}$;

$\underline{q}_{sna} = \underline{q}_{s} \cdot \underline{q}_{na} - \underline{q}_{na}$;

$\underline{q}_{san} = \underline{q}_{sa} \cdot \underline{q}_{n} - \underline{q}_{n}$;

$\underline{q}_{san} = \underline{q}_{s} \cdot \underline{q}_{an} - \underline{q}_{an}$;

$\underline{q}_{ans} = \underline{q}_{an} \cdot \underline{q}_{s} - \underline{q}_{s}$;

$\underline{q}_{ans} = \underline{q}_{a} \cdot \underline{q}_{ns} - \underline{q}_{ns}$;

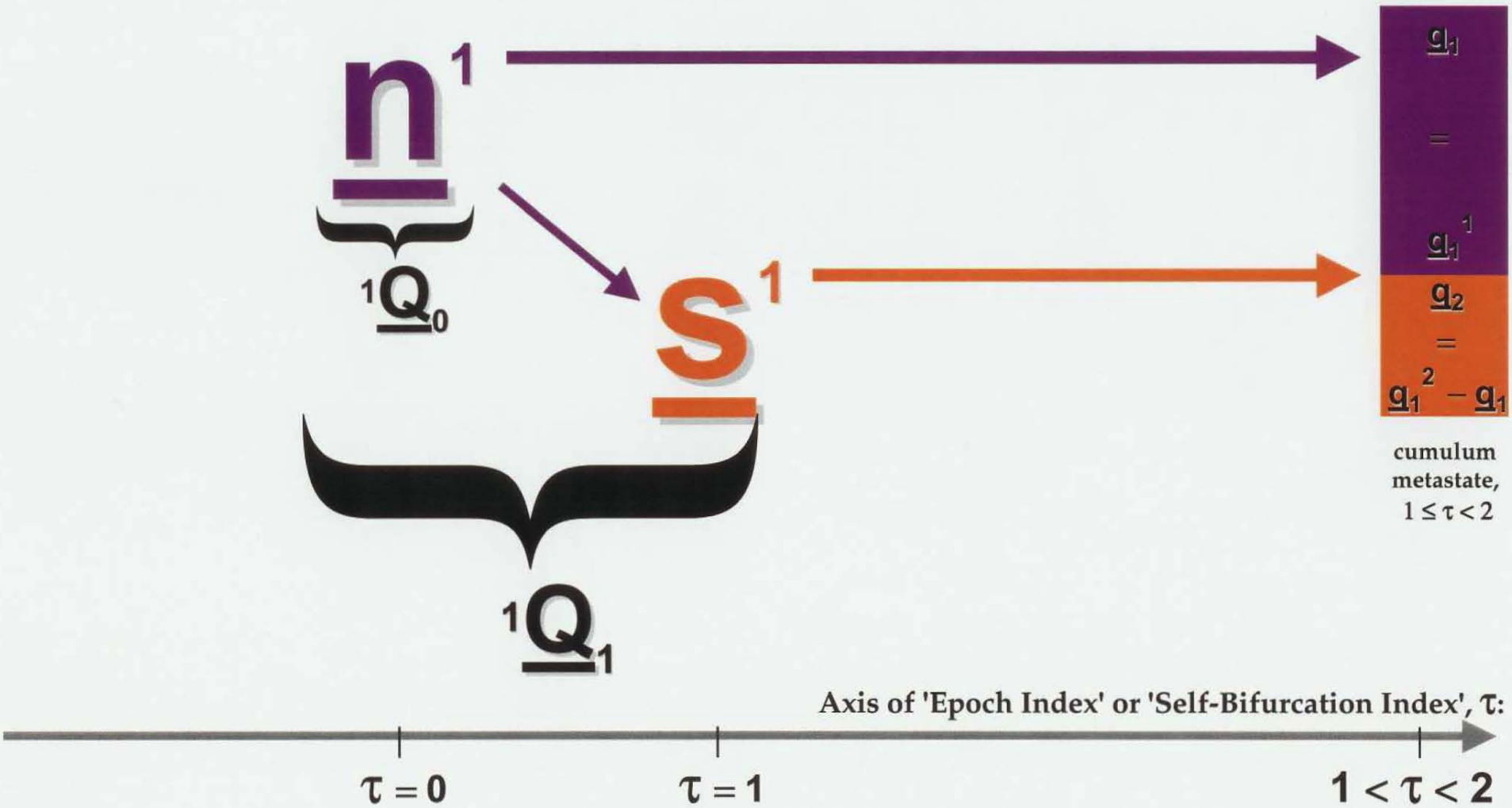
$\underline{q}_{asn} = \underline{q}_{as} \cdot \underline{q}_{n} - \underline{q}_{n}$;

$\underline{q}_{asn} = \underline{q}_{a} \cdot \underline{q}_{sn} - \underline{q}_{sn}$,

all mapping to $\underline{q}_{7}$. Distinguishability is achieved in the Gödelian product versions of $\underline{Q}$.]

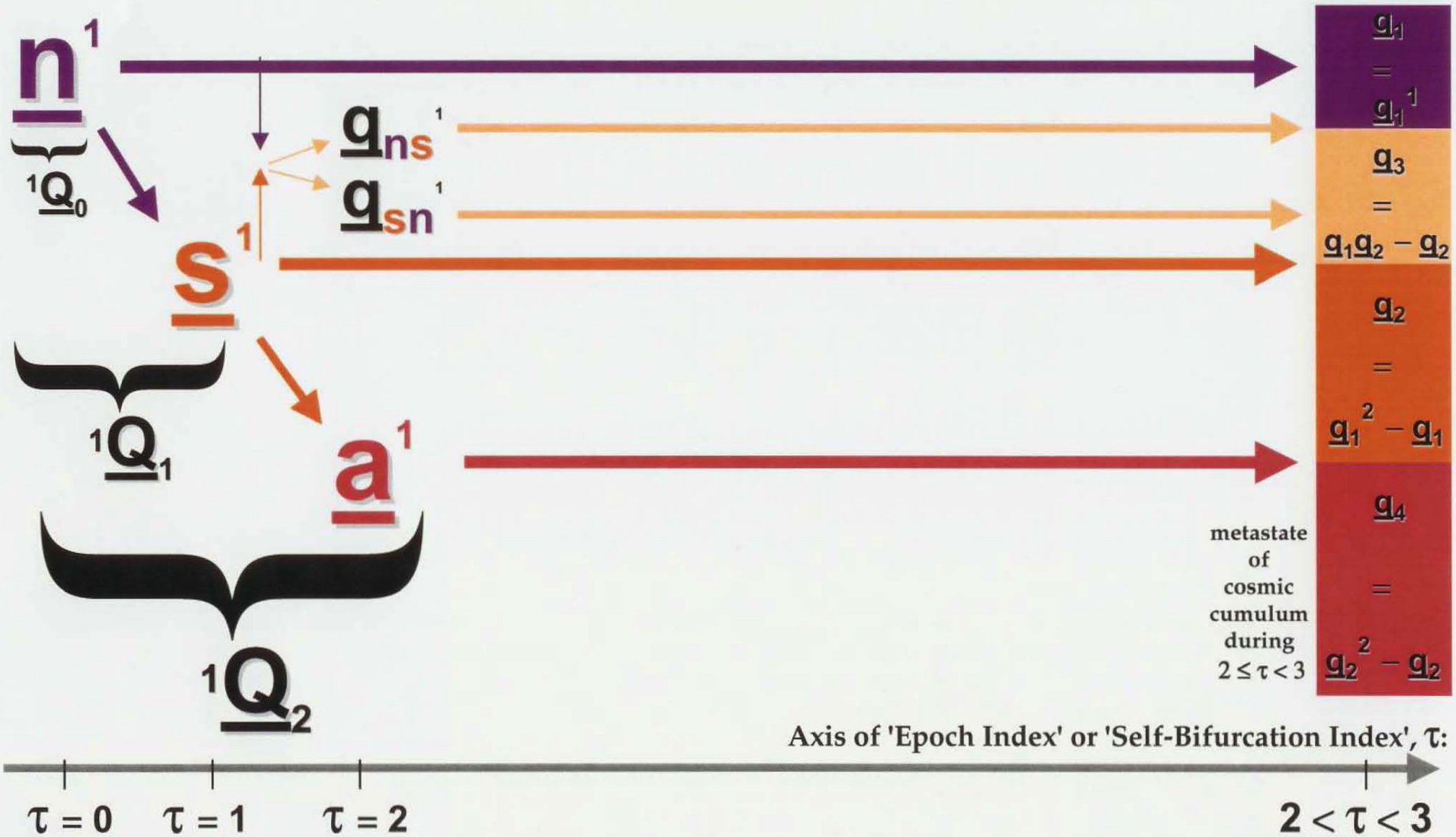
Geometric / Pictographic Representations of the Taxonomy Level One, Ideographic, Onto-Dynamic Cosmos-Model:

A. Self-Ramification Chart to ${}^{1}\underline{Q}_{1}$
[*Cumulative "Tree" Structures*]

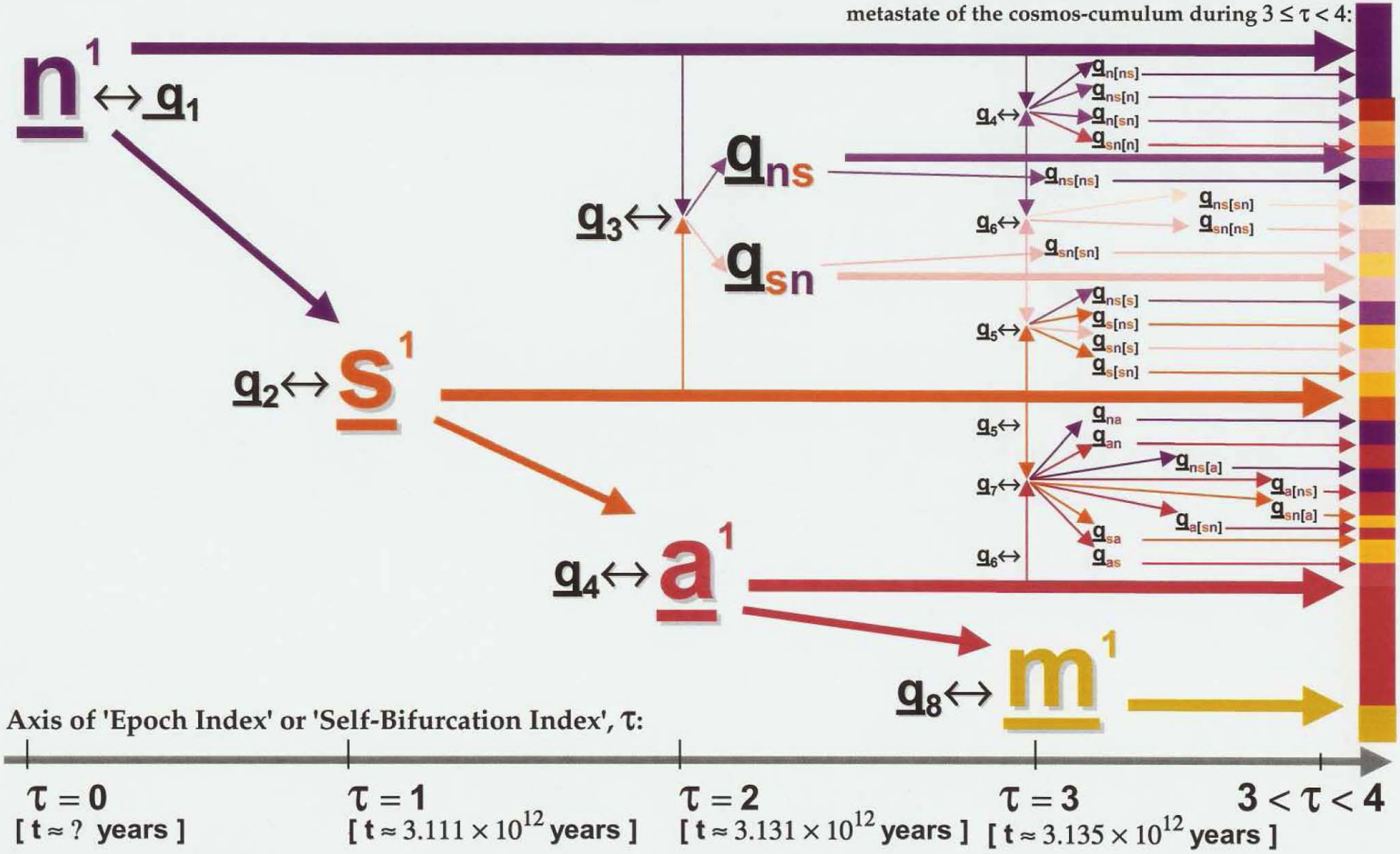


Geometric / Pictographic Representations of the Taxonomy Level One, Ideographic, Onto-Dynamic Cosmos-Model:

B. Self-Ramification "Cascade" Chart to ${}^{1}\underline{Q}_2$
[*Cumulative "Tree" Structures*]



Geometric / Pictographic Representations of the Taxonomy Level One, Ideographic, Onto-Dynamic Cosmos-Model:

C. Self-Ramification "Cascade" Chart, to $^1\underline{Q}_3$

[*Cumulative "Tree" Structures, with '**t acceleration**' as per Alfven / Lerner "Plasma Universe" hypothesis*]