FIRST 'CONTRA-THESIS':

"'HISTORICAL DIALECTICS'"

['*Diachronic Dialectics*']

Section A:

The Historical Dialectic

of

Human-Social Formation(s)

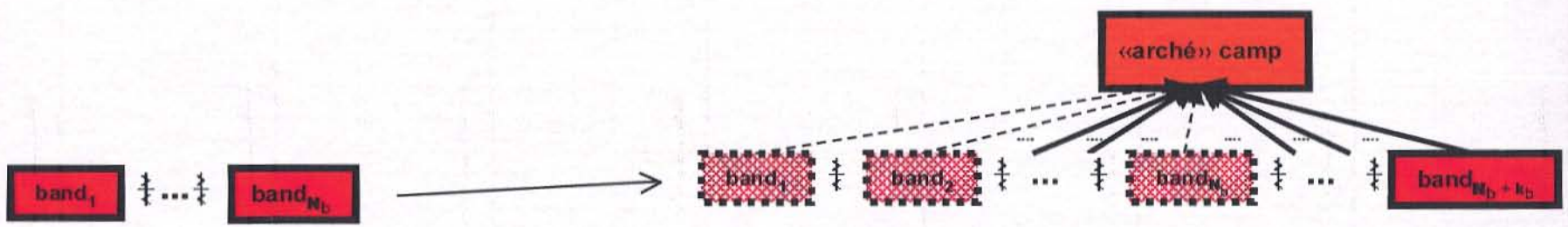
Diachronic «***Aufheben***» Diagram: '''*Historical-Dialectical*''' 'Meta-Monadology' of Human-Social Formation(s) for Epoch $\tau = 1$

Irruption **of the "camps" ‹‹*genos*›› of human-social formation '*neo-ontology*' from the '*self-densification*' of the "bands" ‹‹*genos*››**

Definition of historically-specific 'Meta-***Unit***-ology' or 'Meta-‹‹***Monad***››-ology' –

Each '''camp''' ***Unit***, or ‹‹***Monad***››, is a ***meta***-'''band''' 'meta-‹‹***Monad***››', each '''one''' made up out of a ***hetero***geneous multiplicity of its predecessor, '''band''', ***Units***, or ‹‹***Monads***››, I .e., each '''one''' made up out of a [local sub-]‹‹***Arithmos***››, of '''band''' ***Units***, or ‹‹***Monads***››.

$N_b + k_b$ = local population count, of the "band" ‹‹*monads*›› of the "bands" ‹‹*arithmos*››, associated with '''*critical density*''' in the typical incipient/emergent- "camps" '*socio-ontological innovation nucleation zone*'



$0 < \tau < 1$ $\quad \tau < 1 \rightarrow \tau = 1$ $\quad \tau = 1$

Synchronic Direction / Dimension of Ontological "Transcendence" / 'Meta-Fractal' Scale-Escalation

Diachronic Direction / Dimension of Self-Proliferation, of '''Auto-Catalysis''', or of Expanded Self-Reproduction, of Monadic Populations

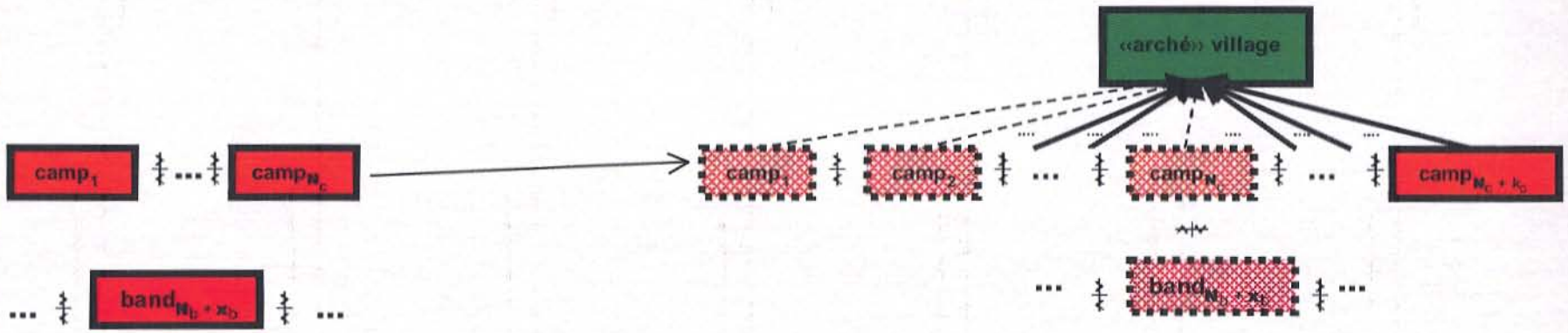
Diachronic «***Aufheben***» Diagram: '"*Historical-Dialectical*"' 'Meta-Monadology' of Human-Social Formation(s) for Epoch $\tau = 2$

Irruption **of the "villages" ‹‹*genos*›› of human-social formation '*neo-ontology*' from the '*self-densification*' of the "camps" ‹‹*genos*››**

Definition of historically-specific 'Meta-***Unit***-ology' or 'Meta-‹‹***Monad***››-ology' –

Each '"**village**" ***Unit***, or ‹‹***Monad***››, is a ***meta***-'"camp"' 'meta-‹‹***Monad***››', each '"one"' made up out of a ***hetero***geneous multiplicity of its predecessor, '"camp"', ***Units***, or ‹‹***Monads***››, i.e., each '"one"' made up out of a [local sub-]‹‹***Arithmos***››, of '"camp"' ***Units***, or ‹‹***Monads***››.

$\mathbf{N_c + k_c}$ = local population count, of the "camp" ‹‹***monads***›› of the "camps" ‹‹***arithmos***››, associated with '"***critical density***"' in the typical incipient/emergent-"villages" '***socio-ontological innovation nucleation zone***'



$1 < \tau < 2$

$\tau < 2 \rightarrow \tau = 2$

$\tau = 2$

Synchronic **Direction / Dimension of Ontological "Transcendence" / 'Meta-Fractal' Scale-Escalation**

Diachronic **Direction / Dimension of Self-Proliferation, of '"Auto-Catalysis"', or of Expanded Self-Reproduction, of Monadic Populations**

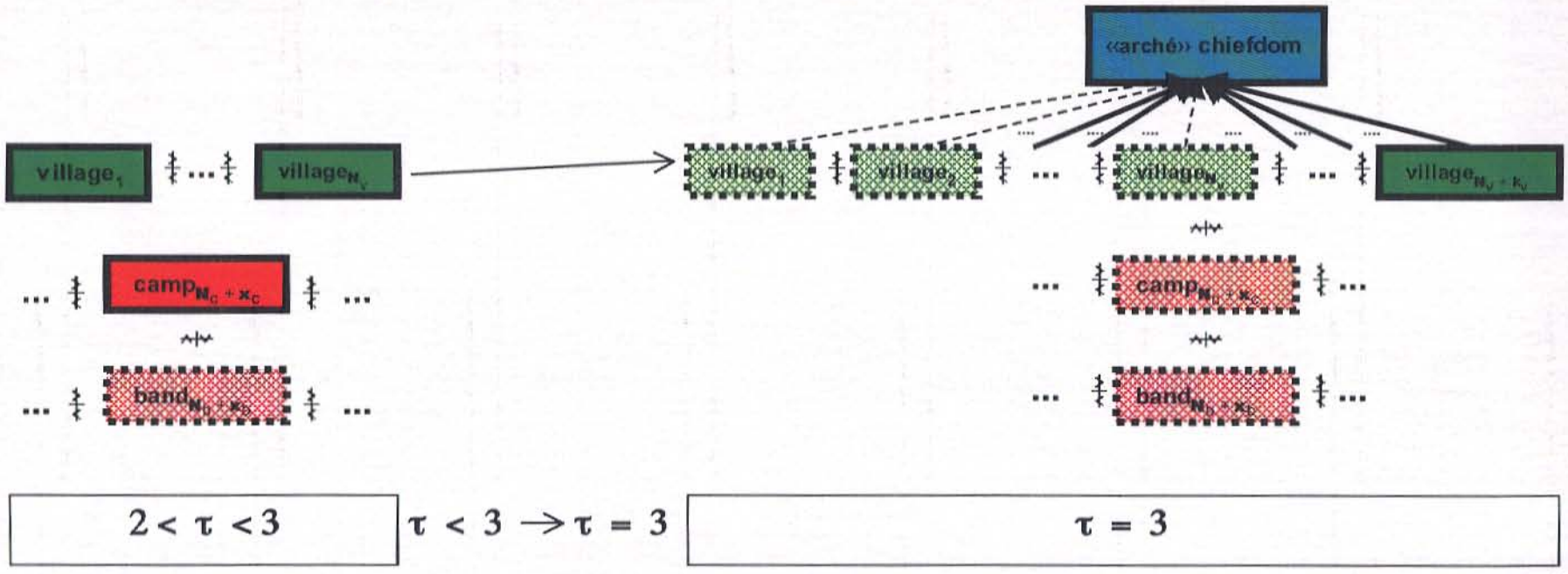
Diachronic «***Aufheben***» Diagram: "'*Historical-Dialectical*'" 'Meta-Monadology' of Human-Social Formation(s) for Epoch $\tau = 3$

Irruption **of the "chiefdoms" ‹‹*genos*›› of human-social formation '*neo-ontology*' from the '*self-densification*' of the "villages" ‹‹*genos*››**

Definition of historically-specific 'Meta-***Unit***-ology' or 'Meta-‹‹***Monad***››-ology' –

Each "'chiefdom'" ***Unit***, or ‹‹***Monad***››, is a ***meta***-"'village'" 'meta-‹‹***Monad***››',
each "'one'" made up out of a ***hetero***geneous multiplicity
of its predecessor, "'village'", ***Units***, or ‹‹***Monads***››, i.e., each
"'one'" made up out of a [local sub-]‹‹***Arithmos***››, of "'village'" ***Units***, or ‹‹***Monads***››.

$\mathbf{N_v + k_v}$ = local count, of the "village" ‹‹*monads*›› of the "villages" ‹‹*arithmos*››,
associated with "'***critical density***'" in the typical emergent-"chiefdoms"
'***socio-ontological innovation nucleation zone***'



$2 < \tau < 3$ | $\tau < 3 \rightarrow \tau = 3$ | $\tau = 3$

Synchronic **Direction / Dimension of Ontological / 'Meta-Fractal' Scale Escalation**

Diachronic **Direction / Dimension of Self-Proliferation, of "'Auto-Catalysis'", or of Expanded Self-Reproduction, of Monadic Populations**

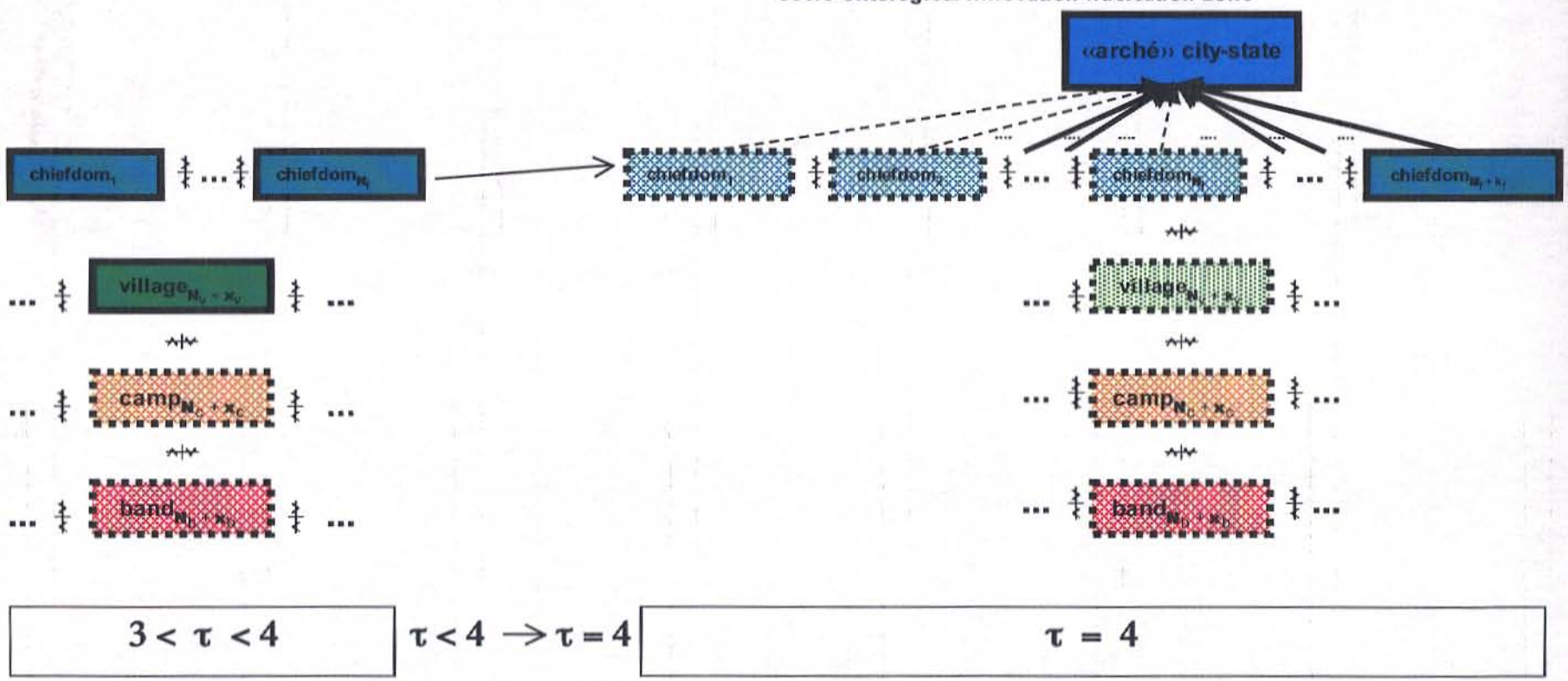
Diachronic «***Aufheben***» Diagram: '"*Historical-Dialectical*"' 'Meta-Monadology' of Human-Social Formation(s) for Epoch $\tau = 4$

Irruption **of the "city-states" ‹‹*genos*›› of human-social formation '*neo-ontology*' from the '*self-densification*' of the "chiefdoms" ‹‹*genos*››**

Definition of historically-specific 'Meta-***Unit***-ology' or 'Meta-‹‹***Monad***››-ology' –

Each '"city-state"' ***Unit***, or ‹‹***Monad***››, is a ***meta***-'"chiefdom"' 'meta-‹‹***Monad***››', each '"one"' made up out of a ***hetero***geneous multiplicity of its predecessor, '"chiefdom"', ***Units***, or ‹‹***Monads***››, i.e., each '"one"' made up out of a [local sub-]‹‹***Arithmos***››, of '"chiefdom"' ***Units***, or ‹‹***Monads***››.

$\mathbf{N_f + k_f}$ = local count, of the "chiefdom" ‹‹*monads*›› of the "chiefdoms" ‹‹*arithmos*››, associated with '"*critical density*"' in the typical emergent-"city-states" '*socio-ontological innovation nucleation zone*'

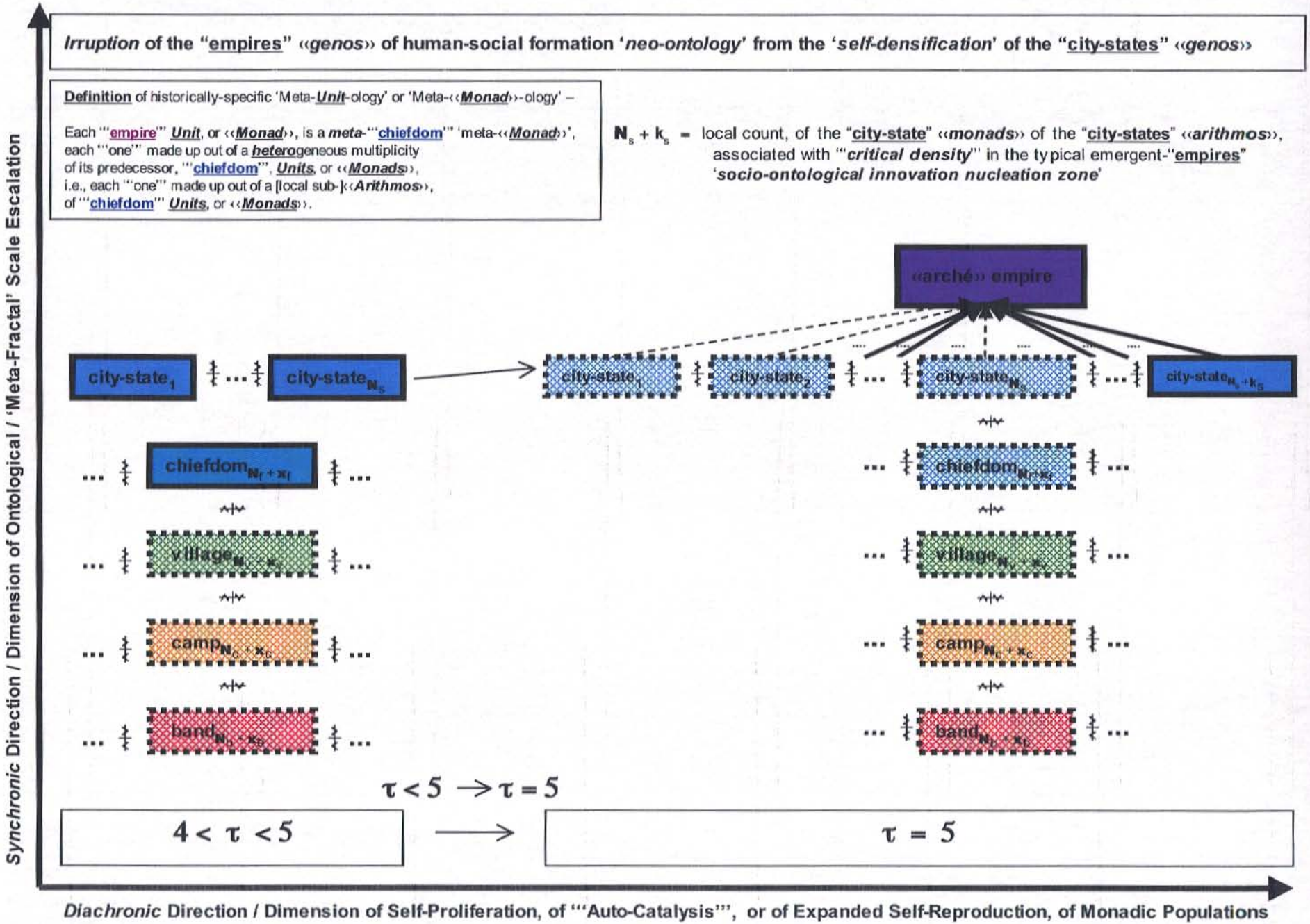


$3 < \tau < 4$ $\quad \tau < 4 \rightarrow \tau = 4$ $\quad \tau = 4$

Synchronic **Direction / Dimension of Ontological / 'Meta-Fractal' Scale Escalation**

Diachronic **Direction / Dimension of Self-Proliferation, of '"Auto-Catalysis"', or of Expanded Self-Reproduction, of Monadic Populations**

Diachronic «***Aufheben***» Diagram: '"*Historical-Dialectical*"' 'Meta-Monadology' of Human-Social Formation(s) for Epoch $\tau = 5$



Section B:

The Historical Dialectic

of

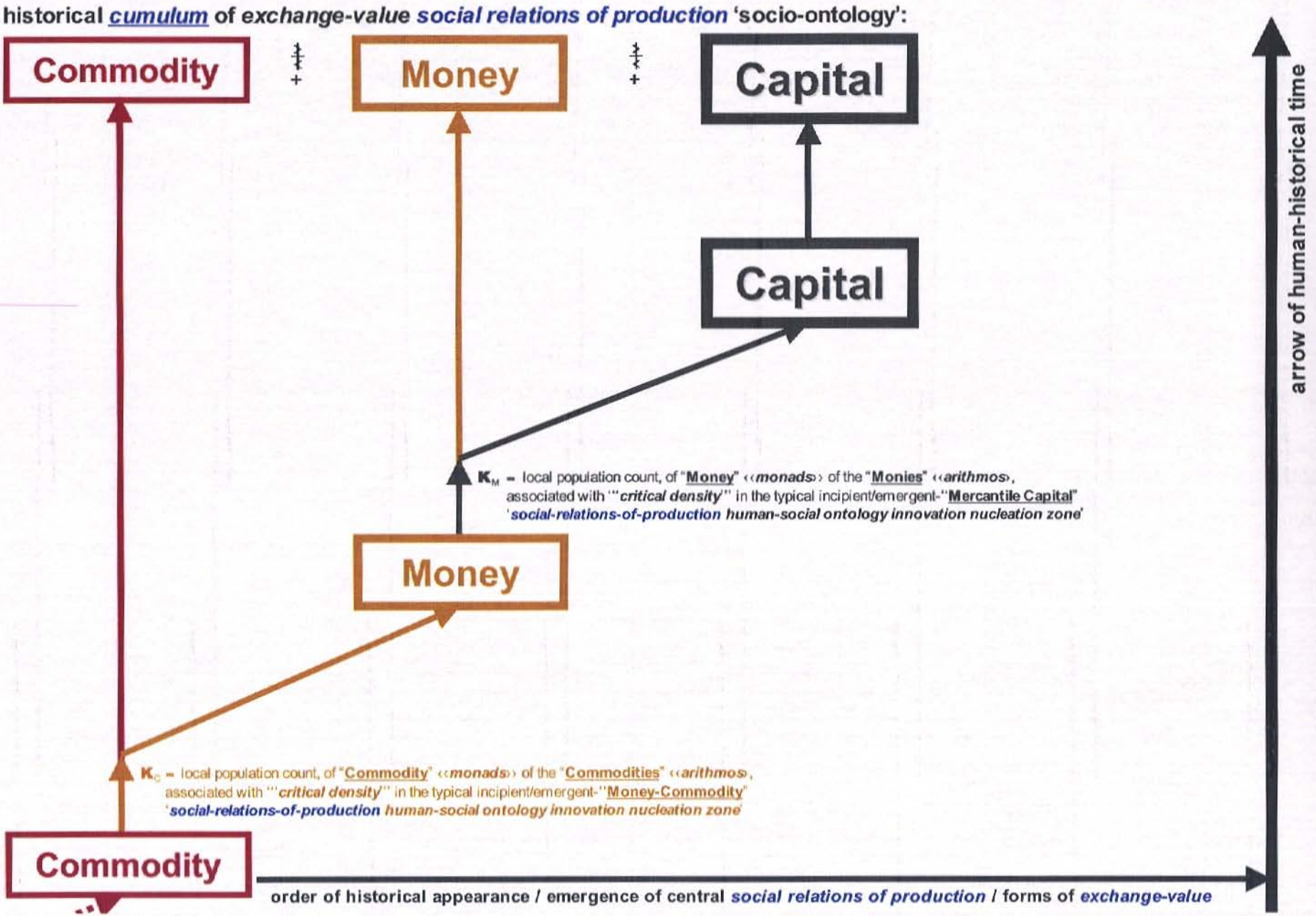
the Human-Social Relations

[*and of the Human-Social Forces*]

of

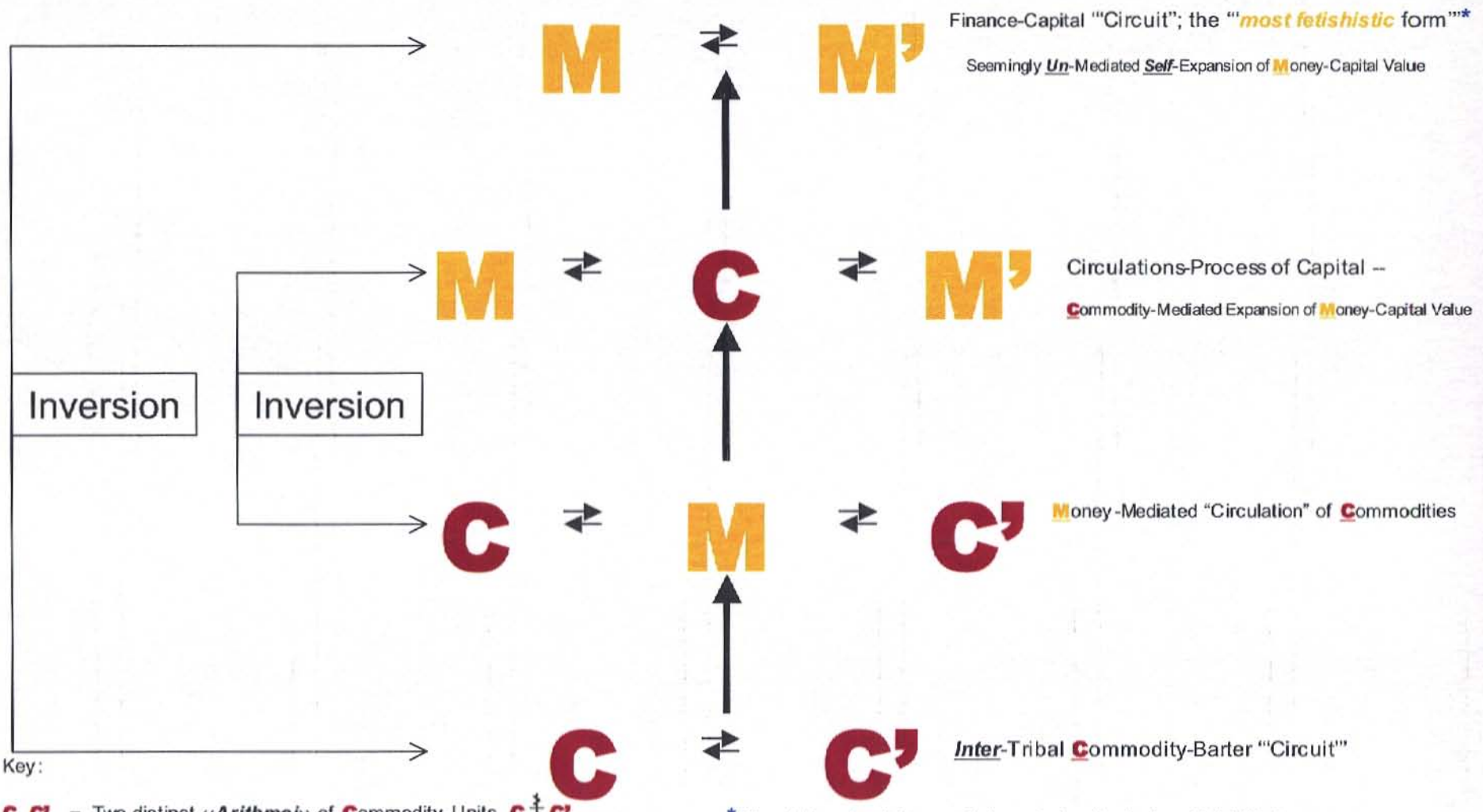
Human-Social [*Re-*]*Production*

"'Phylogenetic Tree'" of *Exchange-Value* Forms / *Social Relations of Production*



Exchange-Value Based Human-***Social Relations of Production***:

Progressively-Emergent / '*Meristemal*' ***Circulation-Forms***



Key:

C, C' = Two distinct ‹‹***Arithmoi***›› of **C**ommodity-Units, **C** ≠ **C'**.

M, M' = Two distinct ‹‹***Arithmoi***›› of **M**oney-Units , **M** ≠ **M'**.

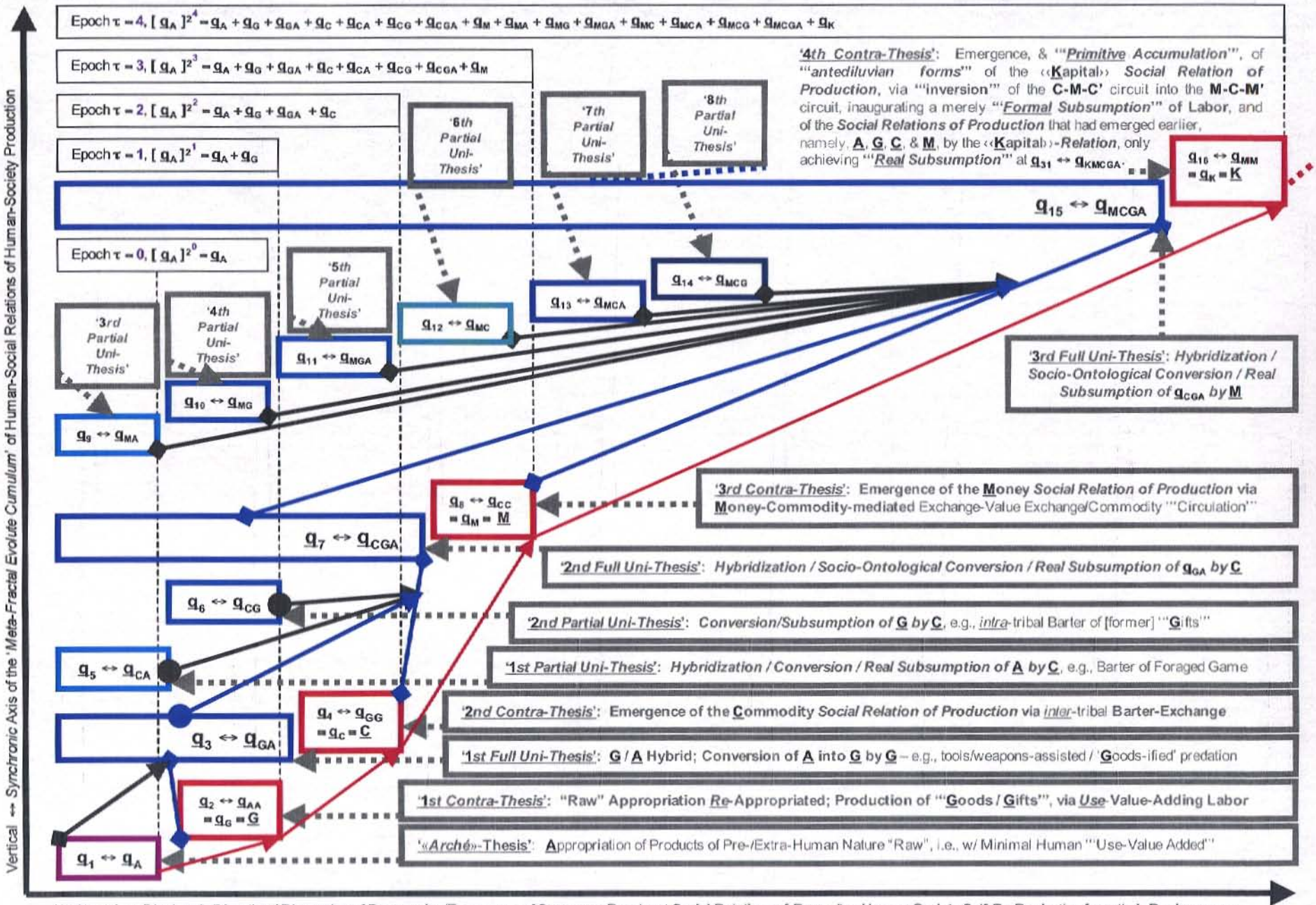
⇄ = Human Activity of Exchange of ***Objects of*** [Exchange-]***Value***.

*"The relations of capital assume their most externalized and most fetish-like form in interest-bearing capital. We have M—M', money creating more money, self-expanding value, without the process which effectuates these two extremes."

Karl Marx, ***Capital***, volume III, Chapter XXIV

«*Aufheben*» Diagram: A Dialectical-Algebraic Model of the Historical Dialectic of the Human-***Social Relations of Production***,

Expressed via the 'Purely-Qualitative' Arithmetic of the $_{M}\underline{Q}$, the First Fully-Dialectical Arithmetic to Emerge in the Dialectical Progression of Dialectical Arithmetics, to Epoch $\tau = 4$



Section C:

The Historical-*Dialectic*al 'Meta-Monadology'

of

Cosmological Natural History –

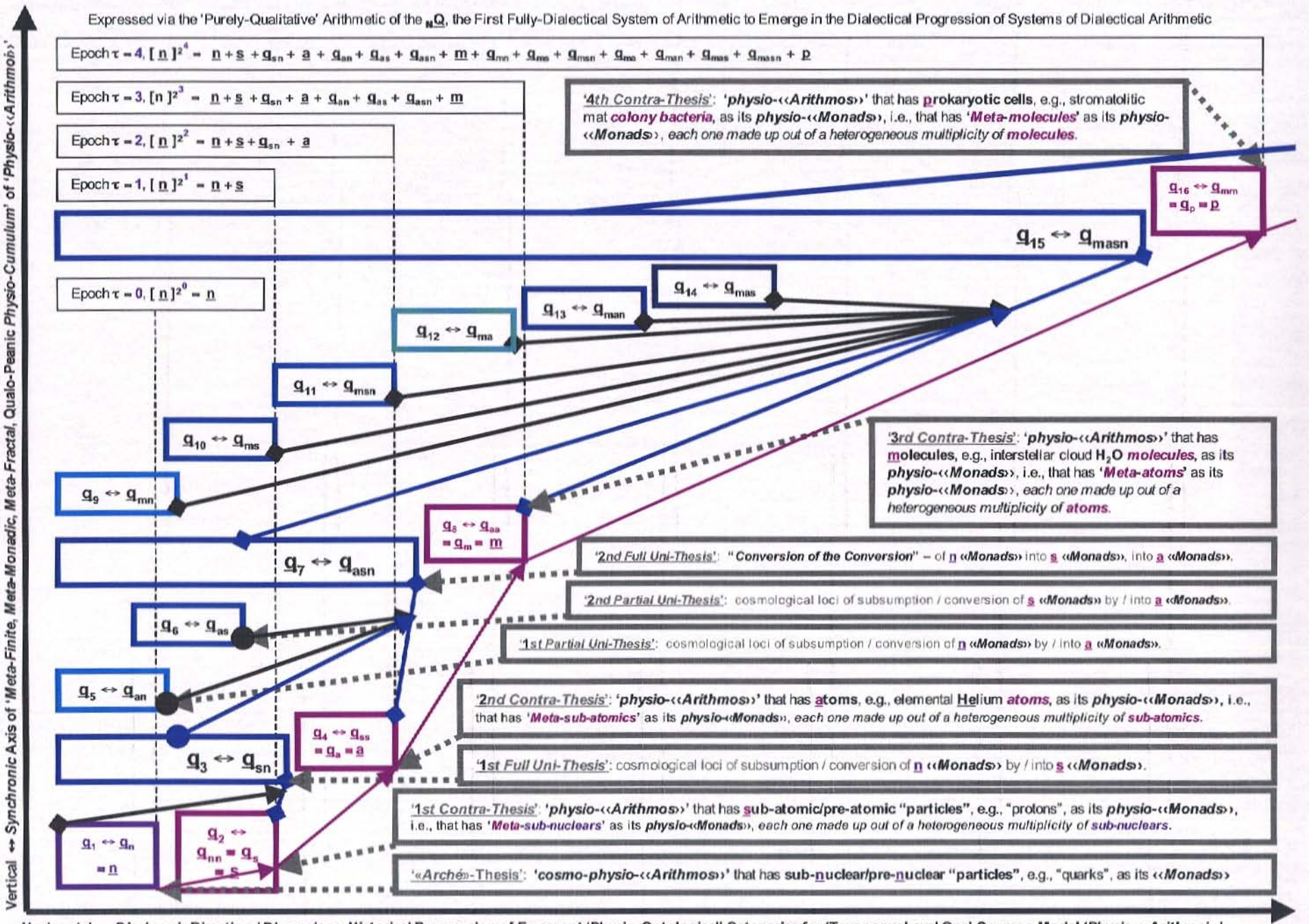
"*The Dialectic of Nature*"

"Each level provides the basis of that which succeeds, yet on every level the characteristic properties of the appropriate entities depend upon their total structure. They are cooperative properties impossible for less complex entities. Atoms have properties impossible for free electrons, and molecules evince chemical affinities which are dependent solely upon the pattern of combination of their constituent atoms and are not characteristic of any atom in isolation. This is especially true of the macromolecules involved in the activities of living matter, which are not feasible at the inorganic level. It is the structure of each whole which determines its propensities, and structure is always whole, for it is not what it is unless structurally complete. We find, in consequence, that throughout the entire scale of natural forms, wholes predominate over and determine their parts. '***Totum in toto et totum in qualibet parte***' is true at every stage.

Consequently, the cosmic organism, while it is one and indivisible, is at the same time a range of developing phases, which can be represented, and which display themselves, as a dialectical scale. The totality is constituted by the scale of its internal forms, and each level is in some sense self-contained and all-pervasive; yet each gives rise to the next above it by virtue of the potentiality within it infused by the immanent principle of the totality in which it is no more than a phase. This is an idea of nature, not merely as an all-embracing living animal, but as a dynamic organismic system, comprising a continuous range of wholes, on levels of progressively increasing complexity and integration. They are wholes mutually in dialectical relation, so that the entire system manifests itself as an evolutionary progression.

Let me once more recapitulate the dialectical relation in its full complexity. The wholes which it relates are each, in one aspect, self-contained and self-dependent, and, in another, mutually implicated and inseparably interrelated. Essentially the relation is serial, each successive whole being a fuller and more adequate realization of the systematic principle governing the entire series. So each is related to its predecessors as their fulfillment, requiring and incorporating the prior forms while actualizing potentialities of which they were incapable. For this reason, while the subsequent involves the antecedent, it also supersedes and, in some sense, negates its forebears. Each whole, then, is a grade, a developmental stage, within the whole series, but also a distinct relatively self-subsistent phase standing in contrast and opposition to its neighbours. Yet because this opposition is resolved in the higher phase (which preserves the contrast while it supersedes it), the entire series remains continuous and coherent.

The relation of mankind to nature has now to be understood in the light of this dialectic conception. Human personality, developing within social structures peculiar to its appropriate level in the scale, is integral to the whole. On the other hand, as one level distinct from others, it confronts the prior phases as other and opposed. But this is only one aspect of its relation to them, for they are also its forebears and progenitors in which the potentiality of its emergence is instant. What humanity sees as nature is its own self in becoming ... ."

Errol E. Harris, ***Formal, Transcendental, and Dialectical Thinking***, Part III, ***Dialectic***, Chapter 14, Value, IV, *Mankind and Nature*

«***Aufheben***» Diagram: Dialectical Model of the ***Historical Dialectic*** of Cosmological Natural History – "'***The Dialectic of Nature***"' – to Epoch $\tau = 4$