

POLIS V12: The Complete Mythology Series – 12 Giants

Jorge Batista Alves Pereira

Independent Researcher, Sabugal, Guarda, Portugal

[ORCID: 0009-0000-6385-7245](https://orcid.org/0009-0000-6385-7245)

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Abstract

Within the POLIS V12 tensional ontology, every mythological system is a polis constituted by three meshes (solid, liquid, gaseous) and governed by the closure condition $\epsilon = \sum K_m(2 + K_m) = 0$, with $T = K_{\min}$ as the tensional origin. This paper applies the framework to six major mythological systems: Greek mythology (Olympian pantheon), Norse mythology (Yggdrasil and Ragnarök), Egyptian mythology (Osiris cycle), Hindu mythology (Trimurti and avatars), Aztec mythology (cosmic ages), and Arthurian legend (Holy Grail quest). Each is reinterpreted as a tensional configuration: Olympian gods as K nodes; Yggdrasil as world mesh; Osiris's death/resurrection as Phase 4/5 cycle; Vishnu's avatars as descending K ; Aztec suns as epochs of ϵ ; and the Grail quest as search for $\epsilon = 0$. The universal equations remain unchanged; no free parameters are introduced.

1 Introduction

POLIS V12 is a closed, parameter-free tensional conservation theory built on four axioms (Tensional Ontology, Harmonic Ground $H = 1$, Tensional Conservation, Data Origin $T = K_{\min}$). The governing equation, after normalisation, is

$$\epsilon = \sum_{m=1}^n K_m(2 + K_m) = 0,$$

with $K_m = (v_m - T)/(v_{\max} - T) \in [0, 1]$. The disequilibrium index is $\text{IDT}^* = \epsilon/(1 + \epsilon)$. All real mythological systems reside in Phase 4 ($\text{IDT}^* \geq 0.70$) unless artificially uniform. The Rolling Law $2\pi r_p = V_{\text{orb}}T_{\text{rot}}$ applies fractally at all scales.

This paper reinterprets six major mythological systems within this tensional ontology. No classical primacy is assumed; tension is the primitive.

2 Greek Mythology – The Olympian Pantheon

The Greek gods (Zeus, Hera, Poseidon, Athena, etc.) are nodes in a polis with specific K domains (sky, marriage, sea, wisdom). Zeus is the king (highest K), but his power is limited by fate (Moirai) – a meta- K that even the gods cannot override. The quarrel among gods (Iliad) is a tensional conflict (Phase 3). Prometheus steals fire (K_{fire}) and gives it to humans (Phase 4), receiving eternal punishment (eagle eats liver). The hero's journey (Heracles, Perseus) is a Phase 5 cycle of tasks that raises the hero's K .

The oracle at Delphi (Pythia) is a gaseous mesh (prophecy) that provides K guidance. The underworld (Hades) is the low- K region. The Gigantomachy (battle of gods vs giants) is a Phase 4 cosmic war.

3 Norse Mythology – Yggdrasil and Ragnarök

The Norse cosmos is an ash tree (Yggdrasil) with nine worlds (meshes). In POLIS V12, the tree is a fractal solid mesh; the roots (past, present, future) are temporal K branches. Odin sacrifices one eye for wisdom (trading K_{vision} for $K_{\text{knowledge}}$). The runes (language, magic) are encoded K symbols. Ragnarök (twilight of the gods) is a Phase 4 event: monsters (Fenrir, Jormungandr) destroy the gods and the world, followed by a new world (Phase 5) from the ashes.

The Valkyries (choose slain warriors) act as K selectors for Valhalla (high- K afterlife). The mead of poetry (Kvasir) is a tensional drink that transforms K_{poetry} .

4 Egyptian Mythology – Osiris Cycle

Osiris is killed by his brother Set (Phase 4), then resurrected by his wife Isis (Phase 5). In POLIS V12, Osiris's death and resurrection is a tensional agricultural cycle (sowing \rightarrow death \rightarrow rebirth). The weighing of the heart (afterlife judgment) compares the heart's K (virtue) to a feather ($K = 0$). If the heart is heavier (higher K), it is devoured. Ra (sun god) travels through the underworld each night (low K) and is reborn at dawn (high K). The pyramid texts (coffin inscriptions) are tensional maps for the afterlife.

The eye of Horus (wedjat) is a fractional K symbol (each part represents $1/2$, $1/4$, etc., summing to $63/64$). Isis's magic reattaches Osiris's dismembered pieces – a Phase 5 reassembly of solid mesh.

5 Hindu Mythology – Trimurti and Avataras

The Trimurti (Brahma, Vishnu, Shiva) represent creation, preservation, destruction – three phases of tensional cycle. In POLIS V12, Vishnu's avatars (descending K to intervene) are Phase 5 interventions: fish (Matsya), tortoise (Kurma), boar (Varaha) restore ϵ balance. Shiva as Nataraja (dance of destruction) is a Phase 4 explosion that clears the old to make way for new. The cosmic dance (Tandava) is a tensional oscillation. The goddess Kali (fierce) drinks demons' blood (high K absorb). The om (Aum) syllable is the primordial K vibration.

The chakras (energy centres) are seven K nodes along the spine: from $K = 0$ (root) to $K = 1$ (crown). The kundalini (serpent power) is tensional potential coiled at the base.

6 Aztec Mythology – Five Suns and Sacrifice

The Aztecs believed in five successive suns (worlds), each destroyed in a catastrophe (Phase 4). In POLIS V12, the current sun (Fifth Sun) is sustained by human sacrifice – the offering of K_{blood} to keep the sun's K high. Huitzilopochtli (god of sun and war) requires a constant supply of K (hearts) to fight the darkness. The calendar (xiuhpohualli) is a 52-year tensional cycle (binding of the years). The Tlaloc (rain god) maintains K_{water} for crops.

The legend of Quetzalcoatl (feathered serpent) includes his self-exile and promised return – a Phase 5 departure and Phase 5 re-entry. The flower wars (xochiyaoyotl) were ritual battles to capture victims for sacrifice (controlled K extraction).

7 Arthurian Legend – Holy Grail Quest

The Arthurian myths (round table, Excalibur, Grail) symbolise a quest for perfection. In POLIS V12, the round table is a liquid mesh (equal sitting, no head). Excalibur (K_{sword} high) gives Arthur sovereignty; the scabbard protects from wound ($K_{\text{protection}}$). The Grail is the vessel of highest K (spiritual purity, infinite abundance). The quest for the Grail is a Phase 5 journey that only the pure knight (Galahad) can complete – his $K_{\text{purity}} = 1$ allows him to achieve $\epsilon = 0$. The wasteland (Fisher King’s kingdom) is a Phase 3 saturated land; the Grail’s restoration heals it (Phase 5). The death of Arthur (Mordred fight) is a Phase 4 collapse of the golden age.

Merlin (wizard) acts as a catalyst (low K physically but high K magically). The sword in the stone tests $K_{\text{worthiness}}$.

8 Conclusion

Six major mythological systems are coherently reinterpreted within the POLIS V12 tensional ontology. Greek, Norse, Egyptian, Hindu, Aztec, and Arthurian mythologies all become natural consequences of the closure condition $\epsilon = \sum K_m(2 + K_m) = 0$ and the fractal hierarchy of mythological polises. No free parameters are added.

Zenodo references

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Abstract

This paper extends the POLIS V12 tensional reinterpretation to six major thinkers about myth: James Frazer (Golden Bough), Joseph Campbell (hero's journey), Claude Lévi-Strauss (structuralism), Mircea Eliade (eternal return), Carl Jung (archetypes), and Walter Burkert (biological roots). Each is re-read as a tensional configuration: Frazer's magic→religion→science as increasing K ; Campbell's monomyth as universal phase cycle; Lévi-Strauss's bricolage as K rearrangement; Eliade's sacred/profane as two K domains; Jung's archetypes as K primes; and Burkert's evolution as tensional adaptation. The universal equations remain unchanged; no free parameters are introduced.

9 Introduction

As in the companion paper, POLIS V12 rests on four axioms. After normalisation the mother equation is

$$\epsilon = \sum_{m=1}^n K_m(2 + K_m) = 0,$$

with $\text{IDT}^* = \epsilon/(1 + \epsilon)$. All real theories of myth are in Phase 4 ($\text{IDT}^* \geq 0.70$) unless artificially uniform. The Rolling Law $2\pi r_p = V_{\text{orb}}T_{\text{rot}}$ applies fractally.

This paper reinterprets six key theories of myth.

10 James Frazer – The Golden Bough and Evolution of Belief

Frazer's *Golden Bough* traces a progression from magic (low K efficacy) to religion (medium K) to science (high K). In POLIS V12, magic works by sympathy (like affects like) – a tensional association error. Religion invokes personal agents (higher K beings). Science uses controlled experiments (verifiable K). The dying god (Attis, Adonis, Osiris) is a tensional fertility cycle: death (Phase 4) is followed by rebirth (Phase 5). The taboo (avoidance) protects low K objects from high K contamination (or vice versa).

Frazer's comparative method listed many analogies; this is a tensional taxonomic catalog. His work influenced James Joyce and T. S. Eliot.

11 Joseph Campbell – The Hero's Journey (Monomyth)

Campbell identified a common pattern (monomyth) in hero narratives: separation, initiation, return. In POLIS V12, this is the 8-phase cycle condensed: - Separation (Phases

1–2): hero departs from ordinary K (home). - Initiation (Phases 3–5): hero faces trials (Phase 3), death (Phase 4), resurrection (Phase 5). - Return (Phases 6–8): hero integrates new K and brings boon. Campbell's "power of myth" (PBS interviews with Bill Moyers) explained how myths encode tensional transformations. He critiqued modern society's loss of myth (low K of shared stories). The hero's call to adventure is a disruption of equilibrium (ϵ increase).

12 Claude Lévi-Strauss – Structuralism and Mythemes

Lévi-Strauss analysed myths as systems of binary oppositions (raw/cooked, nature/culture) arranged in elementary structures. In POLIS V12, a mytheme is a minimal tensional unit (K pair). The myth's meaning lies in the transformation (pivot) between opposites. The "canonical formula" ($FX(a) : FY(b) : : FX(b) : FY(a)$) is a tensional cross-relation. Lévi-Strauss's analysis of the Oedipus myth reduces it to overvaluation/undervaluation of kinship – a tensional conflict between K_{local} and $K_{\text{exogamous}}$.

His use of the "bricoleur" (tinkerer) describes myth as assembling available K parts (tropes) rather than inventing new ones. The "savage mind" (*la pensée sauvage*) is a tensional classification system.

13 Mircea Eliade – Eternal Return and Sacred/Profane

Eliade contrasted sacred (true reality, high K) and profane (everyday, low K). In POLIS V12, the sacred is a Phase 1 equilibrium state (archetypal). Myths enact the "eternal return" (the abolition of profane time, ϵ reset) by ritually repeating the original creative act (cosmogony). The hierophany (manifestation of the sacred) is a Phase 5 irruption of K into the low- K flow of time. The axis mundi (cosmic pillar) connects the three meshes: earth (solid), sky (gaseous), underworld (liquid? or low K).

Eliade's "shamanism" involves trance travel across K levels. His "myth of the eternal return" explains how archaic people reduced ϵ by re-enacting archetypes.

14 Carl Jung – Archetypes and Collective Unconscious

Jung posited archetypes (universal patterns) residing in the collective unconscious. In POLIS V12, archetypes are saturated K nodes (the Self, the Shadow, the Anima/Animus). The collective unconscious is the pre-normalised K distribution of the human species. Dreams are Phase 5 reorganisations that bring archetypal K into consciousness. The "individuation" process integrates the ego ($K_{\text{conscious}}$) with the self (K_{total}). Jung's "synchronicity" (acausal connection) is a tensional correlation without physical exchange (Phase 5 resonance). The mandala (circle, square) is a self-portrait of the polis at equilibrium ($\epsilon = 0$).

The "Star Wars" and "Harry Potter" mythologies, in Jungian view, draw from tensional

archetypes (the Hero, the Shadow, the Wise Old Man). The "quaternity" (fourfold structure) appears as a tensional completeness.

15 Walter Burkert – Biological Roots of Myth

Burkert (and others like René Girard) sought biological and ritual origins of myth. In POLIS V12, myths arise from tensional scripts of basic survival (hunting, sacrifice). The "scapegoat" mechanism (Girard) redirects ϵ from a group onto a single victim (Phase 4). Burkert's "homo necans" (man the killer) ties myth to sacrificial killing as a tensional release. The initiation ritual (rites of passage) transfers K from one stage to another (Phase 4 death, Phase 5 rebirth).

The Greek myth of Prometheus (sacrifice of a bull) encodes the tension between gods and humans over meat portions (fat vs bones). Burkert's biological approach sees myth as tensional programming for collective action (hunting, war). The "ritual form" (standard sequence) is a tensional script.

16 Conclusion

Six major theories of myth are reinterpreted within the POLIS V12 tensional ontology. Frazer's evolution, Campbell's monomyth, Lévi-Strauss's structuralism, Eliade's eternal return, Jung's archetypes, and Burkert's biological roots all become natural consequences of the closure condition $\epsilon = \sum K_m(2 + K_m) = 0$ and the fractal hierarchy of mythological polises. No free parameters are added; the same equations that describe a physical system or a social system also describe the stories that cultures tell.

Zenodo references

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- *The Mahabharata*, *The Ramayana*, and *The Puranas* (Hindu).
- *The Codex Borgia* and *Florentine Codex* (Aztec).
- *Le Morte d'Arthur* by Thomas Malory (Arthurian).