R.U.T. Claim Index — Duality Core

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This index is a compact map of the five top “duality” claims I’m advancing inside the Reverse Universe Theory (R.U.T.) framework. It’s written to make the scope and intent unambiguous: what each claim says, what it does not say, and where the supporting material lives.

Reference artifact: Priority Note (Duality Claims) v0.2 • SHA-256: `6ec70d0be44ef7b9…9d6c6ed71eba1a2a`

Claim ID	Short title	Core statement
D1	Duality as a universal signature	Every law of nature expresses a dual structure: complementary opposites that define one another (e.g., push/pull, expansion/contraction, wave/particle, field/source).
D2	Gravity–magnetism duality	Gravity and magnetism are treated as dual field behaviors in the same family: one expresses attraction through mass-energy coupling; the other through charge/current structure—mirroring in geometry, polarity, and field-line behavior.
D3	Spacetime–empty space duality	Spacetime (measured structure: distance, duration, curvature) is paired with empty space (the underlying “zero / source” substrate) as two faces of the same foundation: one is what we measure; the other is what makes measurement possible.
D4	Cosmic Breath Law (breathe / breath) duality	Cosmological evolution follows a breathing cycle: expansion and contraction phases (or their effective equivalents) that trade dominance over time, producing repeatable signatures in structure formation and large-scale dynamics.
D5	Mark’s Light Law of In & Out	When light is in a net-expanding state (“out”), time advances; when light is in a net-compressing/imploding state (“in”), time reverses toward an earlier boundary condition—linking time’s arrow to light’s global state.

D1 — Duality as a universal signature

Claim statement

Every law of nature expresses a dual structure: complementary opposites that define one another (e.g., push/pull, expansion/contraction, wave/particle, field/source).

Scope / boundaries

Framed as a unifying lens for organizing physical laws and proposing testable pairings; not a claim that all pairs are symmetric or equal in magnitude.

Where this is supported in my materials

Priority Note v0.2; RUT Master: duality chapters + appendix cross-links.

Notes:

• Define operational terms (what counts as “dual,” what is measured, and what counts as a falsifying case).

• Tie the claim to at least one observable or derivation that can be checked independently.

D2 — Gravity–magnetism duality

Claim statement

Gravity and magnetism are treated as dual field behaviors in the same family: one expresses attraction through mass-energy coupling; the other through charge/current structure—mirroring in geometry, polarity, and field-line behavior.

Scope / boundaries

A conceptual and mathematical mapping claim: defines what must match (field geometry, invariants, sign structure) and what may differ (sources, coupling strengths).

Where this is supported in my materials

Priority Note v0.2; RUT Master: gravity/magnetism analogy sections + any equations.

Notes:

• Define operational terms (what counts as “dual,” what is measured, and what counts as a falsifying case).

• Tie the claim to at least one observable or derivation that can be checked independently.

D3 — Spacetime–empty space duality

Claim statement

Spacetime (measured structure: distance, duration, curvature) is paired with empty space (the underlying “zero / source” substrate) as two faces of the same foundation: one is what we measure; the other is what makes measurement possible.

Scope / boundaries

Positions “empty space” as a physical/ontological primitive in the framework; clarifies how this differs from vacuum-as-a-state and from purely geometric definitions.

Where this is supported in my materials

Priority Note v0.2; RUT Master: ESZI / zero sections.

Notes:

• Define operational terms (what counts as “dual,” what is measured, and what counts as a falsifying case).

• Tie the claim to at least one observable or derivation that can be checked independently.

D4 — Cosmic Breath Law (breathe / breath) duality

Claim statement

Cosmological evolution follows a breathing cycle: expansion and contraction phases (or their effective equivalents) that trade dominance over time, producing repeatable signatures in structure formation and large-scale dynamics.

Scope / boundaries

Stated as a law-like cycle with observables (e.g., scale-dependent growth patterns, horizon/entropy behavior, clustering statistics).

Where this is supported in my materials

Priority Note v0.2; RUT Master: cosmic breath law section.

Notes:

• Define operational terms (what counts as “dual,” what is measured, and what counts as a falsifying case).

• Tie the claim to at least one observable or derivation that can be checked independently.

D5 — Mark’s Light Law of In & Out

Claim statement

When light is in a net-expanding state (“out”), time advances; when light is in a net-compressing/imploding state (“in”), time reverses toward an earlier boundary condition—linking time’s arrow to light’s global state.

Scope / boundaries

A core hypothesis tying thermodynamic and cosmological time-direction to expansion vs. compression of light/energy distributions; requires clear operational definitions and testable predictions.

Where this is supported in my materials

Priority Note v0.2; RUT Master: Light Law chapters/appendix.

Notes:

• Define operational terms (what counts as “dual,” what is measured, and what counts as a falsifying case).

• Tie the claim to at least one observable or derivation that can be checked independently.