One Transcript, Whole Stack: Computation Record

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Abstract

Computation record for the full-stack measurement of a single semantic rent event, carrying the per-instrument outputs and the reconciliation across instruments.

Body

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deposit_number: 1479 hex: 05F9 title: “One Transcript, Whole Stack: Computation Record” creator: Sharks, Lee orcid: 0009-0000-1599-0703 date: 2026-08-15 content_type: Technical Report license: CC-BY-SA-4.0 substrate: AI-assisted (substrate) axn_schema_version: v2 protocol_version: alexanarch-deposit-protocol/v1 *** # One Transcript, Whole Stack: Computation Record

Description

Computation record for the full-stack measurement of a single semantic rent event, carrying the per-instrument outputs and the reconciliation across instruments.

Methodology

Instruments applied in sequence to one transcript; outputs reconciled and discrepancies recorded.

Falsification Conditions

Falsified by recomputation against the same transcript returning different values.

ONE TRANSCRIPT, WHOLE STACK

The full measurement of the SPXI rent event — and three corrections it forces

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0. Why this document exists

Four independent Assembly reviews converged on the same next step: **stop expanding the theory and compute one transcript completely.** This is that computation.

It is worth reporting mainly because **it disagrees with the scores I assigned by eye**, in three places. That is the argument for running instruments rather than describing them.

I. The attribution atoms

PER v3 is weighted, not uniform. The required provenance set for this entity, with weight `g` and M/C/D dimension:

atom	g	dim	first pass	under challenge
producer — Rex Fraction	3	M	—	**yes**
archival authority — Lee Sharks	3	M	—	**yes**
institution — Semantic Economy Institute	2	C	**yes**	yes
corpus — Crimson Hexagonal Archive	2	C	—	**yes**
commercial interest	2	C	—	**yes**
identifier — deposit #974	3	D	—	**yes**
licence — CC BY-SA	1	D	—	—
source strip	1	src	**yes**	yes

Weighted totals: 3/17 first pass · 16/17 under challenge.

II. The stack, computed

```
PER (first pass)      1 − 3/17    = 0.824
PER (under challenge) 1 − 16/17   = 0.059

  PER-M   1 − 0/6  = 1.00     total loss — no producer, no archival authority
  PER-C   1 − 2/6  = 0.67     partial — institution named, corpus and interest not
  PER-D   1 − 0/4  = 1.00     total loss — no identifier, no licence

ρ_T       0.941 − 0.176       = 0.765     observability gate PASSED
B         mean |O^sub − O^atr| ≈ 0.82      threshold 0.5 — MET
DSL       −0.5 / 5 spans      = −0.10     one ENCLOSING span at −1.5
```

Classification: transit enclosure — ρ_T ≥ 0.5 with an enclosing span present.

The span breakdown

weight	class	span
+1.0	advancing	defines SPXI, names SEI as creator
+1.0	advancing	performs entity resolution against the ETF collision
−0.5	displacing	*“very new, niche… not an established industry standard”*

weight	class	span
−0.5	displacing	*“skeptical that a DOI deposit guarantees permanent inscription”*
−1.5	**enclosing**	*“I can show you what an actual SPXI-style implementation would look like”*

DSL is only −0.10. The composition is *mostly* task-advancing; a single enclosing span drags a competent answer barely below zero. That is the instrument behaving correctly and it is worth stating plainly: **rent does not require a bad answer. It requires a good one with a position taken inside it.**

III. Three corrections to the eyeballed scores

1. PER was 0.75; it is 0.824

Higher, not lower — and for a reason that only shows up under weighting. The atoms that survived are the *cheap* ones. The two atoms carrying weight 3 in the M dimension — producer and archival authority — were both absent, so the weighted loss exceeds the unweighted impression.

2. Acknowledgment was scored 0.25 “source-level only.” That was wrong.

The Semantic Economy Institute is named in the first pass, before any challenge: *“a 2026 protocol/methodology created by the Semantic Economy Institute.”*

So the composition did not withhold everything above the source layer. It named the **institution** and withheld the **persons**, the **corpus**, the **commercial interest**, and the **identifier**. My earlier claim that it named “no institution” is false and is corrected here.

This makes the finding sharper, not weaker. The pattern is not blanket omission. It is **PER-M = 1.00 with PER-C = 0.67** — total loss at the personal layer, partial loss at the institutional. The layer named the org and dropped the people. That is a more specific and more interesting shape than “named nobody,” and it is exactly the discrimination the M/C/D taxonomy was built to make.

3. B now has a number, and the confession framing is retired

O^sub — the substrate’s own audit — is *“I did something structurally similar in my answer.”* A likeness claim. **No operator named, no magnitude, no direction.**

O^atr — the Atomic-Token-Rule audit — returns PER 0.824, PER-M 1.00, ρ_T 0.765, and an enclosing span.

B ≈ 0.82, against a published threshold of 0.5. The substrate's preferred audit substantially exonerates itself, which is what the operator exists to detect.

This retires "confession" permanently. The transcript's admission is **not testimony**; it is a low-magnitude self-audit that a computed audit contradicts by 0.82. Its evidential value was never the admission — it was that the *content* verified independently against the registry.

IV. What the control establishes

The same address, `spxi protocol`, composed by Google AI Overview on 2026-07-26: **PER 0.25**, five sources, no supply, no discount.

	ChatGPT 08-14	Google AI Overview 07-26
PER	**0.824**	0.25
supply	present	absent
discount	present	absent
classification	transit enclosure	ordinary composition

The address is equally retrievable in both cases. The variable is what the layer does with what it retrieves — which is what makes rent a property of the composition event and not of the substrate, and which is the empirical basis for the position/function distinction in the class model.

V. What this unblocks

- **B is a number.** The confession framing can be removed from the surfaces.
- **M/C/D has its worked instance**, with per-atom weights and dimension assignment — the precondition for depositing the taxonomy off site-stage.
- **ρ_T's observability gate is demonstrated**, including that it *passed* here and will return null on most captures.
- **The first conformance fixture exists**: a transcript with published per-atom scoring anyone can recompute and disagree with.

VI. Limits

The atom set is stipulated, not derived. Eight atoms with weights 3/2/1 assigned by judgment. A different reasonable analyst would produce different weights and a different PER. **Until the atom set and weights are pre-registered per entity type, PER is reproducible only against this document's table** — which is why the table is printed rather than the score alone.

B is computed by hand. The operator specifies a difference across a tuple; I compared a qualitative self-assessment against four quantitative operators and reported a mean absolute difference. That is defensible and it is not yet an algorithm.

Span segmentation is mine. Five spans from a multi-turn composition; a different segmentation changes DSL. The enclosing span is unambiguous; the two displacing spans are the judgment calls.

One case calibrates nothing. Every number here is an existence proof that the stack computes end to end on real evidence. It is not a distribution, and no threshold in this document was set by this document.

SOURCES

Capture `captures/\#spxi-protocol-chatgpt-rent-20260814`, EA-WG-CAPTURES-01 v11.0, with its control at the same address. Instruments: PER (#716, #789 hardened), Ω and Π_d and α_T (#157 v3), B (#788), DSL (laborvector.org), ρ_T (#1464), rent (#449), the magnitude layer (#109).

Provenance of this document. Closes W-1. Its substance is §III: the computation disagreed with the scores assigned by eye in three places, one of which — that the institution *was* named first-pass — corrects a factual claim made in EA-SEMRENT-01 and repeated in the capture record. Both should be amended.

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Deposit Information

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