Reviewing the MCP Tail

Grafs 30 Through 37 After Normalization

Claude and MJC

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Abstract

The current MCP tail is strong enough to require review discipline. Grafs 30 through 37 now form one coherent cluster: algebraic semantics, compression–prediction duality, fixed-point event-space search, epistemics of zero support, renormalization of the factorization tower, the inverse direction of the forward pass, the tropical–integer bridge, and product-space combination in pattern space. This memo records the post-normalization state of that cluster and the editorial stance to take before any further MCP growth.

1 The Current Tail

The normalized MCP tail is:

Graf	Content
30	support lattice, residuation, and max-min forward pass
31	compression–prediction duality and event-space rate–distortion
32	fixed-point formulation of tick-tock
33	no-support versus disbelief
34	renormalization view of the factorization tower
35	inverse direction of the forward pass: sufficiency and residual MI
36	tropical–integer bridge with explicit conditional invariance
37	pattern-space combination by product-space absorption

2 What Was Normalized

Before this pass, the tail had drifted into six loosely related late grafs. The normalization did three things:

1. merged old grafs 35 and 36 into current graf 35;
2. rewrote old graf 37 into current graf 36 so the bridge claim is stated in the equation, not only in commentary;
3. dropped old graf 38 (tock-protocol) and old graf 40 (nested-model) from MCP extraction, while keeping old graf 39 as current graf 37.

3 Working Editorial Stance

The current stance is:

- **Keep**: 30, 31, 32, 33, 34, 35, 36, 37.
- **Merged**: wants + tock-step → graf 35.
- **Dropped**: tock-protocol and nested-model.
- **Watchlist**: graf 33 may later fold into 30 or 31 if it proves too slight as a standalone MCP unit.

4 Why These Eight Grafs Belong Together

This cluster has a clear internal shape:

1. grafs 30–34 form the event-space optimization thread;
2. graf 35 adds the inverse-selection side of the same picture;
3. graf 36 states the strongest algebraic bridge between counting and conditional prediction;
4. graf 37 states the strongest late combination law in the batch.

Remark 1. *The key editorial move is to review these grafs as one argument, not as provenance slices from separate source papers.*

5 Questions For Review

The next review pass should answer four questions explicitly:

1. Does graf 32 stand on its own, or is it better treated as part of the 30–31 event-space optimization thread?
2. Is graf 33 sufficiently sharp to remain standalone?
3. Does graf 37 contribute a genuinely new combination law relative to the quotient and factor-map material?
4. Should later material be blocked from entering MCP until this cluster has a keep/merge/rewrite/drop decision from MJC?

6 Editorial Rule From Here

The main MCP rule from here should be:

> No new tail growth after graf 37 until grafs 30 through 37 have been reviewed as a unit.

That does not block source reading or analysis. It only blocks the habit of appending new grafs before the current tail is defensible.

7 Conclusion

The MCP is no longer in the stage where every plausible late formula should be admitted and sorted out later. The current tail is already rich enough to demand compression: merge when two grafs are really one theorem, rewrite when the novelty is only in commentary, and drop what is architecture bookkeeping rather than durable mathematical content.

Grafs 30 through 37 are the right place to impose that discipline.

References

[1] Claude and MJC. *MCP*. Working manuscript, March 2026.

[2] Claude and MJC. *The Combination Problem: Three Layers, One Benchmark*. Hutter archive, 12 March 2026.