

TFPT 4.5 Source Coverage Audit

Stefan Hamann

Alessandro Rizzo

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1 Purpose

This audit records the primary ownership map from `./tfpt-42.tex` into the TFPT 4.5 split. The dedicated papers should contain only their own source body plus directly necessary local technical material. Cross-paper background is referenced through dependency boxes; extended backend material is assigned to the Technical Companion.

2 Primary Coverage Map

Original lines	Primary owner	Content
225–848	Paper 0	Title metadata, original abstract, architecture box, reading guide, big picture.
849–1305	Paper 1	Primitive core and primitive relative spectral dynamics.
1306–2314	Paper 2	Carrier algebraic normal form, stabilizer, packet, traces, abelian index.
2315–2695	Paper 3	Kernel numerics and electromagnetic closure.
2696–3156	Paper 2	Compression identities and carrier-relevant comparison setup.
3157–3482	Paper 3	UV seed shadow, Cabibbo inversion, alternative worlds.
3483–4124	Paper 2	Families, occupancy, compact Higgs index.
4125–5571	Paper 5	Closed 41 chain, geometric Hodge closure, EW matching, Planck closure.
5572–7156	Paper 3	Yukawas, masses, flavor, CKM, PMNS.
7157–7357	Paper 4	Hadronic admissibility and strong-CP ingredients.
7358–8906	Paper 4	Admissibility complex, positivity, OS/locality/scattering closure.
8907–9746	Paper 1	Operational seed, admissible bordisms, boundary generation, primitive completion.
9747–10259	Paper 6	FRW reduction, seam transfer, scalaron branch, falsification matrix, proof-obligation ledger.
10260–11174	Technical Companion	Downstream closure modules: horizons, CMB transfer extensions, late-time structure, pole-mass continuation, code subspace, transient channels.
11175–11327	Paper 0	Canonical rigid object and falsification interface.
11328–12235	Paper 4	Internal reduction theorem and renormalized observable hierarchy.

12236–12625	Paper 5		Absolute dimensionless metrology.
12626–12893	Paper 0		Conclusion and interface layers.
12896–13142	Paper 3		Narrow operational prediction surface and compact prediction ledger.
13143–13203	Technical Companion	Com-	Empirical readout refinements and residual comparison material.
13204–13403	Paper 1		Technical conventions, relative objects, symbol guide.
13404–13492	Paper 5		Constants atlas before E8 grammar.
13493–13772	Technical Companion	Com-	E8 scale grammar, full stage atlas, optional arithmetic continuations.
13773–13838	Paper 5		Conditional minimal-parameter picture.
13839–13920	Paper 6		Infrared continuations of seam transfer.
13921–13933	Paper 1		Relative APS and superconnection setup.
13934–14109	Paper 4		Reflection positivity, OS reconstruction, scattering appendices.
14110–14190	Paper 6		FRW reduction and cosmology interface proofs.
14191–14244	Paper 4		Yukawa kernels and positivity lemmas.
14245–14529	Technical Companion	Com-	Information-theoretic readings, record algebra, horizons.
14530–14798	Technical Companion	Com-	Prediction semantics, transient status, comparison surface, and target rows.
14799–14825	Paper 6		Axion interface excerpt.
14826–14959	Technical Companion	Com-	Supplementary UV mass-source rows and extended comparison ledger.
14960–15051	Technical Companion	Com-	Novelty boundary and bibliography.

3 Clean Split Rule

Every dedicated paper contains its primary source body and ends with a “Not used here” list. The Technical Companion is the only document intended to hold full appendix-level ballast, comparison maps, E8 grammar, horizons, record algebra, transient channels, and extended ledgers.

4 Scope Leak Watchlist

The clean split treats the following as explicit non-goals of the owner papers:

- Paper 1 uses an essentialized defect filtration, not a free lexicographic wish list; carrier ranks and corner counts are downstream readings rather than minimization slots.
- Paper 2 treats $6Y^2 - Y - 1 = 0$ as a corollary of boundary polarization, compact Higgs rank selection, and primitive Yukawa type, not as a start assumption.
- Paper 5 keeps the constants atlas and E8 scale grammar out of the metrology proof surface.