

When Suppression Becomes Expensive: Suppression Burden, Quality Conflict, and Propagation Inversion in Machine-Mediated Retrieval (EA-MMRS-SUPPRESSION-INVERSION-01 v1.1)

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Abstract

A dynamic extension of The Suppression Map (#1496, AXN:060B) from loss profile to suppression cost-accounting. Six partially orthogonal regimes from ignorability to propagation inversion; suppression burden as the route coverage required to keep an object below composition threshold; quality conflict as the answer damage incurred by exclusion when relevant evidence is already retrieved; the inversion threshold at which counterpropagation exceeds removal. The connector to the ancient record is stated as a cumulative, path-dependent inequality over witness layers — attribution loss concentrated at channel boundaries, with the composition layer as the newest measurable boundary. The worked example is the 25 August 2026 capture at “sappho future reader”: four host-distinct surfaces retrieve the archive’s Fragment-31 future-reader thesis in their visible snippets while the AI Overview composes from lower-congruence sources, misidentifies Fragment 147 as “Fragment 2,” and reproduces the lineage’s coinage “self-archiving” with no adequate support in its credited sources — the audited page verified in-session not to contain the term. Introduces constitutive-source erasure in observable form (CSE-O, a four-condition operator over deduplicated constitution share), the condition under which quality conflict becomes internally evidenced: the audited card carries the evidence of the excluded relation alongside the defect its exclusion produced. Preregisters the narrow-query rerun for the Ω_t operator; declares the apparatus’s design reflexivity; states measurable repair conditions. Four-round treatment with corrections on the record.

Body

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sion Burden, Quality Conflict, and Propagation Inversion in Machine-Mediated Retrieval (EA-MMRS-SUPPRESSION-INVERSION-01 v1.1)” creator: Sharks, Lee orcid: 0009-0000-1599-0703 date: 2026-08-25 content_type: Theoretical paper license: CC-BY-4.0 substrate: Human-machine collaborative, four rounds across three substrates. R1 drafted on ChatGPT; R2 treated in-session by TACHYON (Claude, Anthropic) under MANUS direction with in-session verification (the Aurelis source page fetched and audited; the fragment misattribution confirmed philologically); R3 technical review on ChatGPT; R4 review on Kimi; all repairs applied in-session by TACHYON. Round log carried in the document header. axn_schema_version: v2 protocol_version: alexanarch-deposit-protocol/v1 keywords: - suppression dynamics - suppression burden - quality conflict - propagation inversion - constitutive-source erasure - CSE-O - constitution share - machine-mediated reception studies - Sappho 31 - future reader - AI Overview - retrieval-composition congruence - provenance erasure rate - erasure skew - transmission invariant - archival ratchet *** # When Suppression Becomes Expensive: Suppression Burden, Quality Conflict, and Propagation Inversion in Machine-Mediated Retrieval (EA-MMRS-SUPPRESSION-INVERSION-01 v1.1)

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