Scientific Feasibility Statement

Apeiron Variant B / O049 · Version 2.0 · 15 September 2026 · Audited endpoint 060

Release statement

SCIENTIFIC FEASIBILITY GO = TRUE. Apeiron Variant B has an inherited positive local feasibility assessment for the witness **O049.L2p198.FIRST-FINITE-STRICT-RAW-CELL-1.v2**, under the six local criteria explicitly adopted and frozen in 054. The common scope is conformal time **$\eta \in [-1/125,0]$**, wave number **$k \in [5/8,5/4]$**, the specified compatible linear scalar/transverse-traceless class and the existing cold M1 pilot prescription. [E03, E09]

The assessment comprises local mathematical existence and regularity; common source/state binding; admissible local dynamics and a finite qualitative local stability bound; the specified Ward/GI/constraint consistency; qualitative causal response; and absence of a demonstrated contradiction in that combined local evidence. The local stability bound is not a numerical small-amplification or long-time stability result.

The local criteria were introduced after earlier O049 results were known and then frozen before the GO declaration. This chronology is disclosed. “Scientific Feasibility GO” is the publication name of that bounded assessment, not a retrospective expansion of AP1_GO. [E09]

Additional bounded quantitative finding

Corrected non-flat θ-source Ward: PASS. For the same witness on $\eta \in [-1/125,0]$, at **$k = 1$**, the designated once-Duhamel-corrected source Ward test meets both original budgets. Rounded total-to-budget values are approximately 51.90233797% for WT and 54.42467836% for WL. The finite-regulator compatible initial variation cancels the first correlated portal initial logarithm before the limit and error norm. [E01, E02, E16-E18]

This is a source Ward result in a specified paired-data problem. It is not a complete quantitative response PASS, does not certify the separate N1 channel numerically and does not extend numerically over the whole feasibility k-band.

Uncompleted requirements

AP1_GO = FALSE. Complete quantitative raw/paired-data response remains **RAW_RESPONSE_EVALUATOR_METHOD_LIMIT**. The full executable O049 state/history/transport connection, complete numerical contact and DC1 assembly, uniform source/N1 error control, independent reference, convergence and finite decision-capable cost bound are not jointly available. [E01-E06]

SINGLE_TIME_ROUTE_READY = FALSE. The 060 single-time representation establishes the retarded-action identity algebraically at the same finite regulator, with complete common inputs. It has not produced the full renormalized numerical response. No production, numerical reference or convergence run was executed in 060. The six total-response fields and the quantitative decision are null, meaning not computed or undecided, never physical zero. [E03-E05]

Beyond the response gate, the broader stability requirements and the full physical M1 early-to-present connection followed by quantitative prediction release remain open. No new physical NONPASS, O049 exclusion, AP1_STOP or B_STOP is established by 060.

Limits of interpretation

The result does not establish a global cosmological solution, a unique fundamental action, an observationally verified carrier, a full dark-matter/dark-energy explanation, complete long-time stability or quantitative observational templates. The single-carrier picture and other program motivations remain hypotheses.

ORANGE summaries, R195 calculations, the former isolated non-flat fixed-rho NONPASS and AP1_GO-078 declarations are retained as historical/superseded records. Their original bytes are preserved. The compatible initial response does not retroactively turn the historical fixed-rho failure into a PASS.

Evidence and release provenance

This statement consolidates the supplied reviews 058-060 and their inherited evidence. It reports no new physics calculation and no complete independent re-derivation of the earlier proof chain. File hashes establish content integrity, not empirical confirmation or first-publication priority. SOURCES.md resolves all evidence identifiers.

The release is prepared for review and distribution as a separate version. This preparation does not itself constitute a live website update, repository deposit, journal submission or peer review.

Kurzfassung auf Deutsch

SCIENTIFIC FEASIBILITY GO = TRUE gilt für den ausdrücklich begrenzten lokalen O049-/Variante-B-Bereich. Der korrigierte nichtflache **θ-Quellen-Wardtest besteht bei k = 1**. Die vollständige quantitative Roh-/Paardatenantwort bleibt **RAW_RESPONSE_EVALUATOR_METHOD_LIMIT**; **AP1_GO = FALSE** und **SINGLE_TIME_ROUTE_READY = FALSE**. Ein neuer physikalischer NONPASS folgt daraus nicht. Weitergehende Stabilität, vollständiger physischer M1-Anschluss und quantitative Vorhersagefreigabe bleiben offen.