I-B-G Book Ledger

Shared host, notation, standing non-claims, four-layer instrument box, numerical discrepancies, and Scholar bibliography policy Companion book edition (t427u), version 1

Ngo Cheung

October 2026

Abstract

This ledger freezes the shared host geometry, signature and radial conventions, equation-versus-action inverse, Friedrichs versus E_0 branches, standing Enter refusals, the four-layer instrument box, and Google Scholar citation hygiene used by the I-B-G / I-B-G-S / I-B-G-S-B / I-B-ECHO / I-B-G-Q family sheets. Later sheets cite this chapter instead of repeating long programme-status blocks. No Host C is created; O.1 remains ; XVI-N is not discharged; XV-B is not opened; no Page/island/spacetime-emergence claim is made; no conjecture is promoted to a theorem; no quantum coefficient is admitted; wired=false. Companion manuscripts are *not* claimed to be Google Scholar-indexed.

Bibliographic record

Title	I-B-G Book Ledger
Author	Cheung, Ngo
Publication date	2026/10/01
Institution	Enter
Report number	I-B-G-Book-Ledger-v1
Publisher	Cheung Ngo Medical Limited
First page	1

Last page 8

Language en

Book order and object labels

toprule Part Sheets Role

midrule endfirsthead toprule Part Sheets Role

midrule endhead 0 This ledger Notation, refusals, four-layer box, bib, discrepancies

1 I-B-G (v3) Scalar intrinsic Green operators, SCD, supported transfer

2 I-B-G-S (v3), I-B-G-S-B (v2) Spin-1/2 domains, defect, positive cores

3 I-B-ECHO (v3) Diffracted echoes, finite instruments, TV separation

4 Q / Q-B / Q-C / CERT Characteristic products, Ward, certificates

S Optional synthesis cards (this ledger only) Open/conjecture cards; never theorems

bottomrule

Every theorem lead sentence should name its object class: *operator*, *kernel*, *window functional*, *supplied preparation*, *finite instrument / report*, or *distributional product* (never ``spacetime" as an emergent object).

Frozen host and notation

Definition (Prescribed conical product host). The host is the prescribed conical Enter product of I-B ([3]): opening ratio α, deficit parameter related by the sheet's local conversion (never silently swapped), product structure with apex worldsheet $\mathscr{W}$, and the standing finite instrument of [3]. Signature, equation-versus-action inverse, and Friedrichs versus E_0 branches follow the local sheet ledger; when sheets disagree historically, the sheet-local convention wins and this ledger only records the distinction.

toprule Symbol / choice Frozen meaning

midrule endfirsthead toprule Symbol / choice Frozen meaning

midrule endhead Opening ratio α vs deficit μ Sheets must state which; do not equate without an explicit conversion.

Signature Declared before causal statements; not selected by scheduler consistency.

Equation vs action inverse Fixed before Maxwell / Lichnerowicz formulae.

Friedrichs vs E_0 Distinct nonnegative realizations; positive tensor cores select Friedrichs (S-B), while idealized curvature-regular spin-2 uses E_0 in exceptional channels (G-S).

Radial measure $r\,dr$ versus dr unitaries; declare before quoting domains.

Holonomy ledgers Geometric / independent Aharonov–Bohm / integer-spin induced — three distinct objects (I-B-G).

Angular lifts Geometric versus diffracted; state before front formulae.

Four-layer instrument Continuum host / window functional / supplied preparation / finite instrument (Section).

bottomrule

Four-layer instrument box

Layer 1 — Continuum host. Prescribed conical product; Green / SCD kernels; front coefficients; supported-transfer windows. **Layer 2 — Window functional.** Admissible temporal/spatial windows; deficit witnesses; sector separation constants. **Layer 3 — Supplied preparation.** Declared input states / pulses / preparations with residual-retention protocol; not an acquisition of the continuum field. **Layer 4 — Finite instrument.** Complete destructive readout (I-B / En09-A); X-J signal channel; X-K composition; total-variation record laws. Finite agreement is never a distributional identity.

Later sheets (especially I-B-ECHO) cite this box by label rather than re-deriving the layering. No layer creates Host C or discharges O.1.

Scope vocabulary

• **proved here** — argument written in the present sheet.

• **supplied input** — inherited formula or theorem label from a cited companion version; not re-proved.

• **conditional** — holds under an explicitly stated hypothesis.

• **not constructed** — object named but no existence proof claimed.

• **not claimed** — deliberately refused (Host C, Page curve, quantum coefficient, spacetime emergence,…).

• Evidence grades: / / . Numerical discrepancies stay ; they are never theorems.

• Every new edge is a *separation* (``does not import", ``not a premise").

Standing Enter refusals

The following remain in force for every sheet in this book edition.

• O.1 remains .

• Gate0/ST4b remain NOT_SUPPLIED.

• XV-B is not opened; XVI-N is not discharged.

• Dom(T) undetermined; J2 unresolved; Problems 6/7/9 named not solved.

• No Page curve, island, bounce, vacuum-energy, or Host C construction.

• No conjecture → theorem promotion; no quantum coefficient admitted.

• Host-A is NAMED_COMPARISON_ONLY $\{GI, CB\}$.

• No re-expansion of IC/ID/II2VI shortened reach proofs; no spacetime emergence; no Einstein dynamics claim.

• shredder ≠ Gibbons–Hawking.

• Every new edge is a *separation*; wired=false.

• OpenAI catalogue records are documentary separations only.

• No successful compilation or mechanized proof is asserted.

• SOURCE_DATE_EPOCH=1792627200.

Dependency map (premise vs comparison)

toprule Sheet Depends on (premise) Comparison only

midrule endfirsthead toprule Sheet Depends on (premise) Comparison only

midrule endhead I-B-G I-B host / instrument Cheeger–Taylor, Dowker, Keller (ECHO)

I-B-G-S I-B-G scalar kernels / positivity Q-series Ward products

I-B-G-S-B I-B-G-S channel conventions; Mosco inputs idealized curvature-regular branch

I-B-ECHO I-B-G front / SCD; I-B instrument VP-5 smooth-core lineage; Keller wedge

I-B-G-Q free inverse language (I-B-G) inherited characteristic product (missing)

I-B-G-Q-B Q criteria as inputs; free scalar data RG-closed certificate; Host C

I-B-G-Q-C Q-B Lorentzian product as source record interacting all-orders Ward

CERT Q-C admitted family as source record quantum coefficient admission

bottomrule

Gates and what is still missing (Q-family)

Still missing (not supplied by this book edition). Full characteristic product on the inherited target; output-space membership for the interacting coefficient; interacting (nonlinear) Ward identity; RG-closed certificate; Host C; Page/island/spacetime emergence; quantum coefficient admission. **Emphasized non-implication.** Finite + conserved ≠ non-running (explicit running $v\partial_v \Pi^{(v)} = -\frac{1}{24\pi^2}(\partial\partial - \delta\Delta)\delta$ on the declared free-product model in Q-B).

Gates Q0–Q7. Necessary data and counterexample classes remain at benchmark level in I-B-G-Q (Tables

tab:v3gates, tab:v4gates); no gate is passed for the inherited target.

Shared technical lemmas (pointers, not new closures)

Distribution-theoretic tools used across the Q-series (Dini remainder, wavefront positivity, Koszul classification of diagonal terms) stay in their originating sheets; this ledger only indexes them. Citing a lemma here does *not* pass any admission gate.

Retained numerical discrepancies

Collect every retained numerical discrepancy from the G-family sheets. None is promoted to a theorem. Certification requires the artifacts named in the originating sheet.

toprule Origin Grade Missing for certification

midrule endfirsthead toprule Origin Grade Missing for certification

midrule endhead I-B-G retained heat / resolvent / Laplace / HF samples Primary scripts, raw outputs, hash pins

I-B-G-S finite checks / angle coverage / Independent O5 protocol artifacts

I-B-G-S-B irrational-angle full-kernel run / Independent certified re-execution

I-B-ECHO residual-retention / numerical integrity Instrument logs and preparation hashes

Q / Q-B / Q-C / CERT computer-assisted checks documentary Re-run logs; no closure of gates

bottomrule

Optional synthesis cards (open / conjecture only)

• **Card S1 (open).** Couple a positive matter–gravity core that *would* select the exceptional spin-2 branch — requirements table lives in I-B-G-S-B; not constructed.

• **Card S2 (open).** Pass gates Q0–Q7 for the inherited characteristic product — still missing.

• **Card S3 (open).** RG-closed conical coefficient certificate — CERT remains RG-open.

• **Card S4 (conjecture / documentary).** Endpoint / gravitational reading obligations (E/G lists of Hawk05) — unsupplied; separations only. None of these cards is a theorem.

Bibliography policy (Scholar hygiene)

1. Author string: N. Cheung (title-page may read Ngo Cheung); never mix forms inside one textbackslash bibitem.

2. One work per textbackslash bibitem; exact title; year; venue; DOI or stable URL.

3. Published Enter Calculus (Frontiers) — cite *only* for finite-instrument / readout / operational interface discussions; never as a PDE premise: N. Cheung, ``The Enter Calculus: A Linear Quantum Lambda Calculus with an Operational Characterization of Measurement," *Frontiers in Physics* **14** (2026), article 1954943. DOI: 10.3389/fphy.2026.1954943.

4. Philosophy of Enter — framing only; exact title; N. Cheung; 2026; book/container; no invented journal/DOI.

5. Figshare items — author + exact title + figshare (2026) + DOI: textbackslash nolinkurl{10.6084/m9.figshare.…} + textbackslash url{https://doi.org/…}.

6. Companion manuscripts — versioned title + filename; mark ``Companion record; not a Scholar-indexed journal article." Prefer book-internal chapter cross-references.

7. OpenAI catalogue = documentary separations only.

8. Do *not* insert unrelated profile works (psychiatry, etc.).

9. Do *not* claim that I-B-G family sheets are Google Scholar-indexed.

How later sheets cite this ledger

Recommended one-paragraph pointer: Standing Enter refusals, scope vocabulary (proved here/supplied input/conditional/ not constructed/not claimed), the four-layer instrument box, and Scholar bibliography policy are frozen in the I-B-G Book Ledger v1. O.1 remains ; XVI-N is not discharged; XV-B is not opened; no Host C, Page/island, or spacetime-emergence claim; no quantum coefficient; wired=false.

References

References

[1] N. Cheung, ``The Enter Calculus: A Linear Quantum Lambda Calculus with an Operational Characterization of Measurement," *Frontiers in Physics* **14** (2026), article 1954943. DOI: 10.3389/fphy.2026.1954943. https://doi.org/10.3389/fphy.2026.1954943. Interface/operational background only; not a PDE premise.

[2] N. Cheung, *The Philosophy of Enter: Destructive Readout, Quantum Recovery, and the Refusal of Identification*, Cheung Ngo Medical Limited (2026). Framing essay; not a theorem premise. Programme note: https://enter.grok.me/enter.

[3] N. Cheung, *I-B: A Finite Enter Spacetime: Calibrated Destructive Time Readout on a Prescribed Conical Product*, version 1, 2026, companion manuscript I-B-v1.tex. Companion record; not a Scholar-indexed journal article. https://enter.grok.me/browse/I-B.

[4] N. Cheung, *Black-Hole Information as an Access Problem: Enter, Quantum Recovery, and Complete Residuals*, figshare (2026). DOI: 10.6084/m9.figshare.34335024.v1. https://doi.org/10.6084/m9.figshare.34335024.v1.