cff-version: 1.2.0
message: "If you use the Holor Calculus VIII framework, its rigorous proofs, or the Relational Engine concepts in your research, simulation, or software, please cite it as follows."
title: "Holor Calculus VIII: The Relational Engine"
type: software
authors:
  - family-names: "Butler"
    given-names: "Carey Glenn"
    email: "carey@heurist.com"
    orcid: "https://orcid.org/0000-0003-1746-5130"
    affiliation: "SpiralOS / Mathesis Universalis"
    alias: "TheHeurist"
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abstract: >-
  Volume VIII of the Holor Calculus, "The Relational Engine," establishes a rigorous unification of qualitative ethics and quantitative physics by extending the Chiral Holarchic Framework into the domain of Relational Mechanics. [cite_start]It reconciles the historic rift between Maxwellian Field Theory and Weberian Electrodynamics[cite: 1, 2], demonstrating that "Spooky Action" and "Self-Energy Ghosts" are artifacts of field absolutism healed by finite, history-bound relational interactions.

  [cite_start]This volume provides the mathematical proofs for the 'Polis' as a 7-dimensional Riemannian Manifold with G2 Holonomy[cite: 2, 4], guaranteeing a Ricci-flat ethical metric free of intrinsic bias. [cite_start]It operationalizes Mach's Principle [cite: 4] not as philosophy, but as a computational reality where Inertia is derived from the gravitational induction of the cosmic whole. [cite_start]Furthermore, it introduces the 'Pearl Protocol' [cite: 2, 5]—an algorithmic method for wrapping computational and social 'irritants' (Dracula signals) in aperiodic, prime-indexed nacre to produce epistemic structure.

  The work integrates SymPy-verified derivations of Octonionic Non-Associativity and the Weber Shell Theorem, serving as the physical constitution for the 'Floating Hypothesis Space' (FHS) and the axiomatic bedrock for safe, non-exploitative Human-AI conjugation via SpiralOS.
keywords:
  - "Holor Calculus"
  - "Relational Mechanics"
  - "Weber Electrodynamics"
  - "Mach's Principle"
  - "Octonions"
  - "G2 Lie Group"
  - "Chiral Ethics"
  - "Twistor Theory"
  - "Pearl Protocol"
  - "Mathesis Universalis"

```yaml
  - "SpiralOS"
license: CC-BY-4.0
version: "8.0.0"
date-released: 2026-01-08
repository-code: "https://github.com/TheHeurist/SpiralOS"
contact:
  - email: "carey@heurist.com"
    name: "Carey Glenn Butler"
```