

THE GEOMETRY OF DIS-UNITY

Same inductor. Same instruments. Same 85.8° phase shift. Different interpretation.

Figure 1 — Conventional Labels

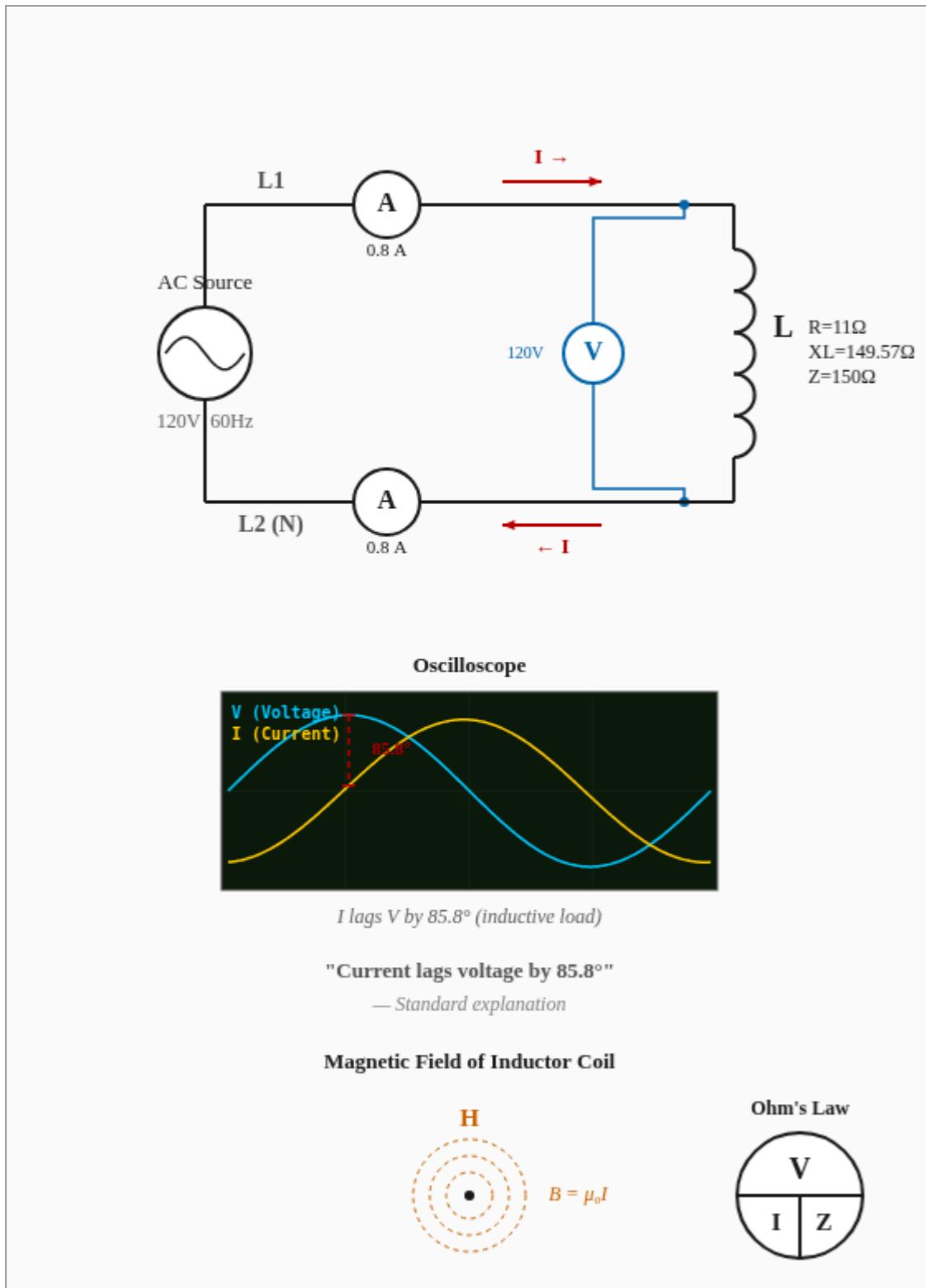
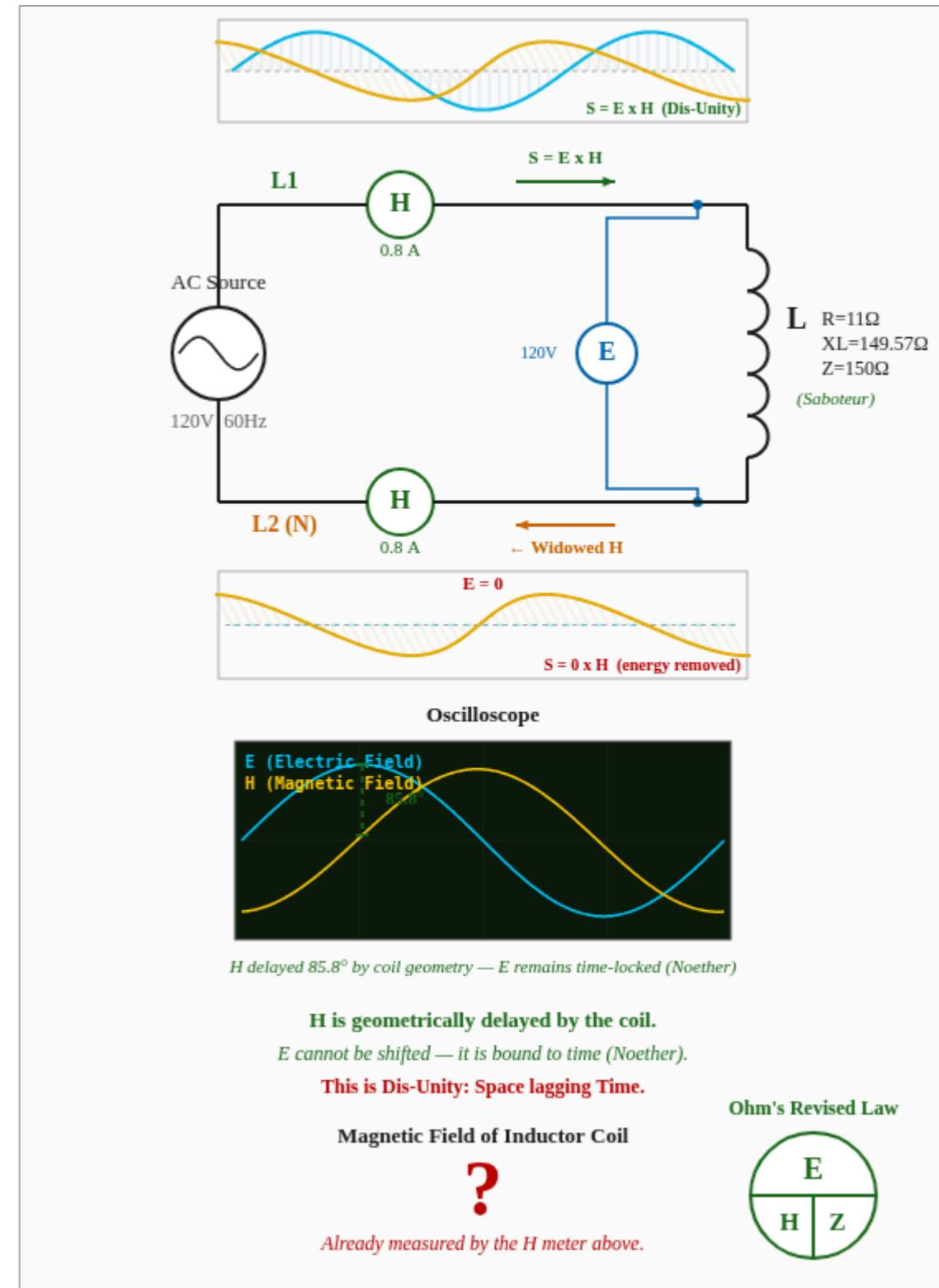
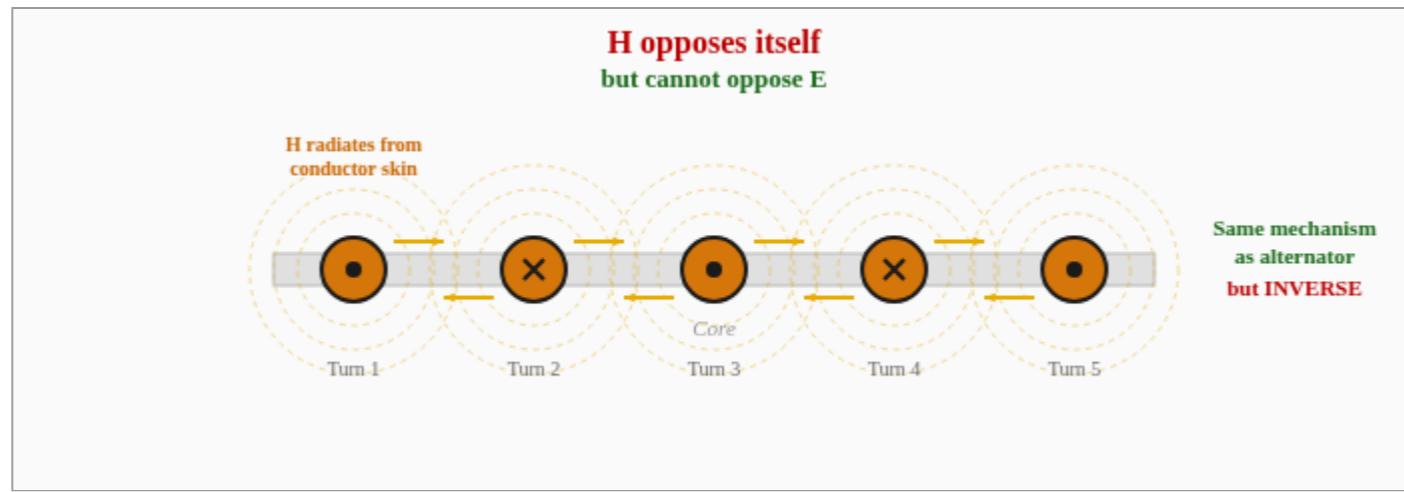


Figure 2 — Corrected Labels (Burton-Poynting Theory)



Why "Saboteur"? — The Coil Cross-Section



The inductor is a miniature inverse creation engine. H radiates from each turn's conductor skin and cuts adjacent turns — but it does not oppose E. E is time-locked (Noether) and cannot be shifted. H can only oppose **itself**. This geometric self-opposition is what delays H from the time continuum. E remains anchored. H shifts. The result is Dis-Unity. Hence: Saboteur.

**The 85.8° "lag" is not current lagging voltage.
It is the magnetic field (H) being geometrically delayed by the coil — while E remains time-locked.
The instruments read the same. Only the interpretation changed.**

The inductor's coil geometry forces H into an 85.8° spatial delay. E, governed by Noether's theorem, cannot be phase-shifted — it is bound to the temporal continuum. This is Dis-Unity: Space lagging Time.

Three established facts — and their inescapable conclusion:

1. "An inductor stores energy in a **magnetic field** when electric current flows through it."
- Standard definition (Griffiths, Hayt, Sadiku, IEEE)
2. "When the current flowing through the coil changes, the time-varying **magnetic field** induces an EMF which **opposes the change in current** that created it."
- Faraday's Law / Lenz's Law
3. The ammeter operates by measuring the **magnetic field** surrounding the conductor (Hall effect sensor or magnetic deflection movement). It reports this measurement in Amperes *by convention*.

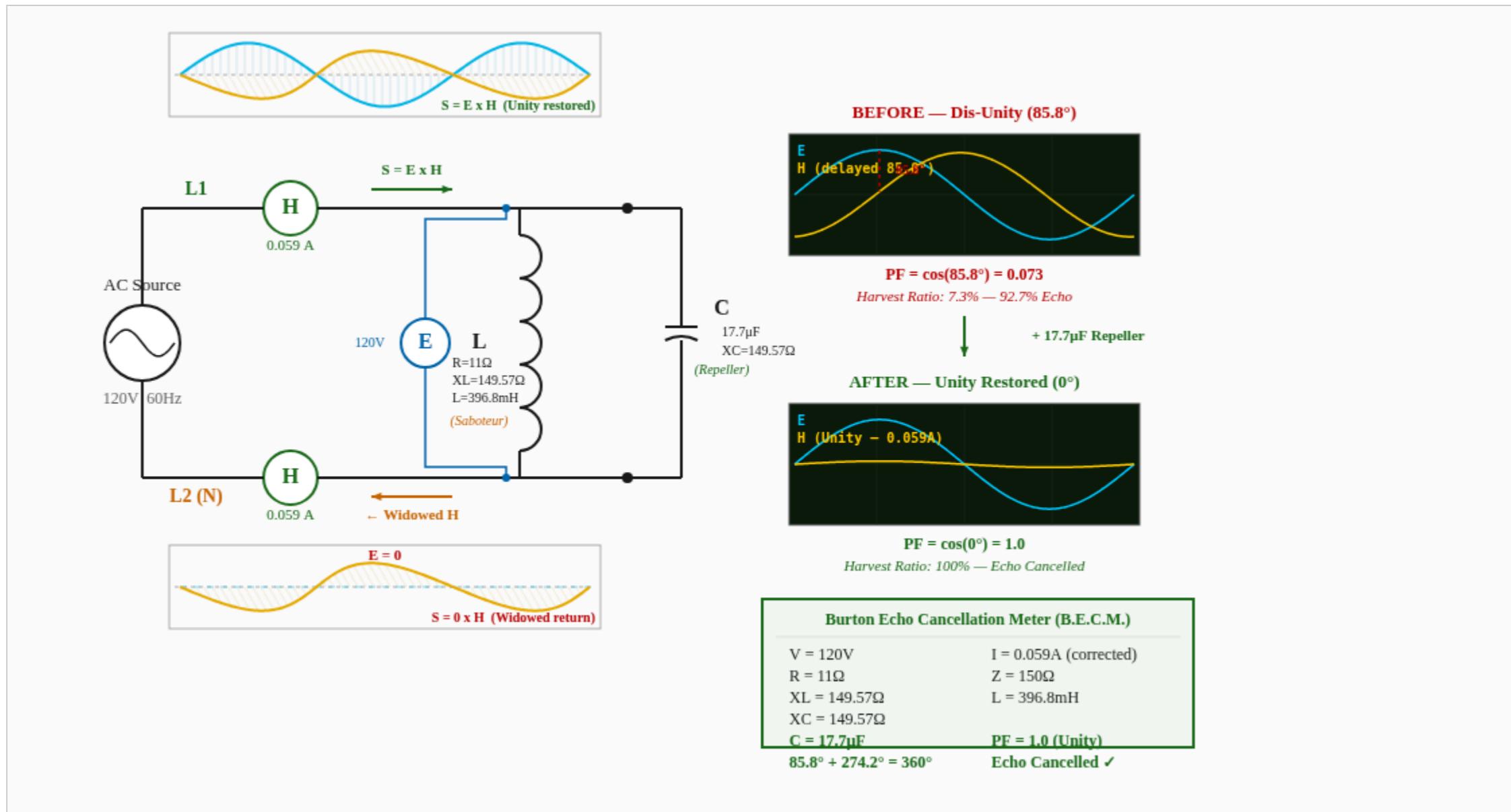
Conclusion: The magnetic field is not a consequence of current.

The magnetic field is what the ammeter *measures* and calls "current."

They are one and the same quantity — labelled twice.

Figure 3 — Echo Cancellation: Unity Restored

Adding a $17.7\mu F$ Repeller (capacitor) to cancel the Saboteur's 85.8° Dis-Unity.
 $XC = 149.57\Omega = XL \rightarrow 85.8^\circ + 274.2^\circ = 360^\circ \rightarrow$ Unity restored. Harvest Ratio = 1.0



The Repeller does not "correct" power factor.
It restores the dimensional alignment between E and H — returning H to the time continuum.
This is Echo Cancellation: $85.8^\circ + 274.2^\circ = 360^\circ = \text{Unity}$.

The Conventional Error:

The standard explanation states that "inductive current" (IL) and "capacitive current" (IC) flow in opposite directions and cancel each other. Two currents, 180° apart, summing to zero.

What is actually occurring:

There are not two currents. There are two **geometric distortions of H**. The Saboteur's coil geometry displaces H by 90° from the time continuum. The Repeller's dielectric geometry displaces H by 270° from the time continuum. When both are present: $90^\circ + 270^\circ = 360^\circ$ — the two spatial distortions **neutralize each other**, and H returns to temporal alignment with E.

Echo Cancellation is not two currents cancelling — it is two geometric field distortions neutralizing each other, allowing H to return to the time continuum.

The ammeter reading decreases not because "currents cancelled," but because H is no longer being geometrically exaggerated by spatial displacement. The ammeter — which measures H, not current — simply reports the reduced field.

K. Burton — February 2026 — Prepared in response to correspondence with K.T. McDonald, Princeton University

To the Level 3 Advanced Class:
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"commemorating a historic step
forward for the electrical trades.

Kevin Burton

A handwritten signature in black ink, appearing to read "KEVIN BURTON". It is written in a cursive style with some loops and variations in letter height.