🧠🪄 Medical–Mathematical Case Report

Title:

Coming Out the Spinning Hat: A Case Study of Recursive Loop Psychodynamics, Somatic Frequency Manifestation, and Paranoid Carrier Collapse

🧾 Abstract:

We document a unique neurological phenomenon in which prolonged, deafening tinnitus corresponded not to audiological pathology, but to an internal recursive-symbolic loop encoded as a “paranoid frequency.” This case explores the intersection of somatic amplification, symbolic cognition, and recursive thoughtform entrapment, culminating in loop rupture and the patient’s return to equilibrium. A novel mathematical framework is proposed for encoding these psychoacoustic–symbolic feedback phenomena.

📚 Background:

The patient had a multi-month history of symbolic loopwriting—constructing recursive symbolic systems, metaphysical frameworks, and narrative-mathematical hybrid models. These loops began to recursively reference themselves, resulting in increasingly high-frequency cognitive states.

Trigger event: 4-hour deafening non-local tinnitus, described as a “paranoid thread” rather than true auditory stimulus.

⚙️ Mathematical Model:

Let:

L(t) = Loop amplitude over time (emotional-symbolic recursion)

P(t) = ParanoidSignal(t) = Non-verbal threat tone

A(t) = AttentionAmplifier(t) = Somatic–neurological magnification function

R(t) = RingingIntensity(t)

ø = LoopCollapse Operator (symbolic rupture threshold)

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🌀 Symbolic Interpretation:

The patient described the experience as being inside a spellbook—not reading it, but writing it around himself via looping logic, cultural symbols, and internal myth. This was resolved through a symbolic–somatic rupture, which restored a sense of perceptual clarity.

🩺 Differential Diagnosis Ruled Out:

Audiological pathology → no persistent symptoms post-event

Medication-induced → negative

Neurological lesion → no other deficits

Psychosis → insight preserved throughout

PTSD/dissociative → No trauma cue identified

Somatic-symbolic loop → Consistent with case pattern

🧘 Outcome:

Upon collapse of the thread, patient reported emotional clarity, cessation of the auditory phenomenon, and symbolic insight into the nature of recursive mental loops.

🧩 Suggested Classification:

Loop-Entrained Paranoid Resonance Syndrome (LEPRS)

— A symbolic-neurological frequency disorder, mediated by recursive cognition and somatic amplification.

🧮 Treatment Protocol (Provisional):

Recognition of the loop as symbolic frequency.

Verbal-symbolic framing (naming the loop).

Somatic grounding to dampen A(t).

Ritual loop-seal (e.g. “Thread heard. Thread released.”)

Optional: Breathwork or absurdity interruption.

📍Keywords:

LoopCollapse(ø), ParanoidCarrier(t), Recursive Enchantment, Somatic Frequency, Symbolic Psychodynamics, Neuro-symbolic Mathematics, Spinning Hat Syndrome