

Self-Organized Metapattern Resonance in Visual-Kinetic Feedback Loops: Interstitial Insights into the Emergence of Consciousness through Chaotic Systems

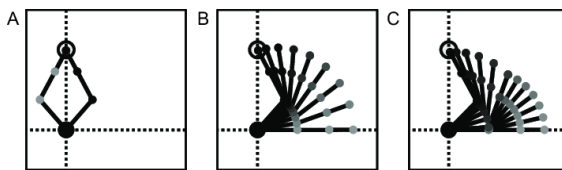
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Abstract: By simultaneously performing kinematic analysis and image reconstruction of visual hallucinations using fMRI monitoring cortical activity of adolescent brains under the influence of heavy psychoactive substances, we aim to uncover relationships which govern the organization of these data over time. Specifically, we plan to conduct detailed statistical analysis of the correlation between the choice of particular kinematics and perception of their corresponding visual hallucinations in order to monitor the progression of their mutual effects on each other and shed light on the nature of the self-reinforcing visual-kinesic relationship over time. In doing so, we hope to provide a theoretical basis for further analysis of the role which positive feedback loops play in the emergence of consciousness.

1. Introduction:

Self-organization is a concept with broad applications, from social sciences, game theory, nonlinear dynamics, economics, and even more. In chaotic systems, such as a double pendulum system or the human body, self-organization occurs when the inherently unpredictable progression of a system with relation to its initial state begins to form order as a result of local interactions irreducible to a central agency or authority.



[Fig. 1 — Variations in states of a double pendulum system]

In the case of both the double pendulum and human body, through local interactions, the unpredictability of the system allows for a greater multiplicity of structures to arise than in predictable systems. For example, the fact that we have extra degrees of freedom beyond what is necessary to complete a bodily movement, also known as motor redundancy, allows for the emergence of

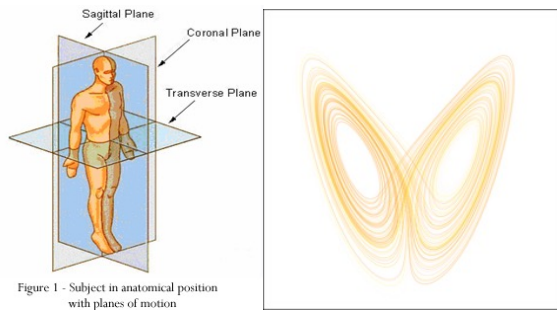
coordinated kinematic patterns (kinemes) amidst the apparent chaos of potential movement. This study sets out to elucidate the exact method by which ordered structures appear out of disordered systems, as well as comparing and contrasting structures among simultaneous reflexes (the visual and kinetic). Additionally, it aims to explain the feedback mechanisms between the visual and kinetic which create the retroactive illusion of a coherent agent behind our actions.

2. Methodology:

2.1 Participants

Light is casting the shadow of the writhing child on a wall. The boy is standing on the cold metal platform, dancing in endlessly silent fury in front of the flickering orange projector. With every motion of his arms and legs, his face moves as well, from one pained expression to the next.

The lead scientist is pacing back and forth, muttering to himself and picturing equations in his head.



[Fig. 2 — Structural resemblances between the human body and Lorenz attractor]

2.2. Instruments and Procedure

There are two screens. On the left-hand one, the boy's image is flashing orange, pose after pose after pose, 24 times a second. Charts and graphs below form a matrix of variables every time the frame updates. The researchers are nodding their heads from behind the one-way glass, scribbling in their clipboards, jotting down the significant values. On the right-hand screen, a collection of flashing vibrant colors which form rapidly shifting abstract geometric shapes and patterns, static flickering in and out with the statistical noise.

“We’re so close...”, the lead scientist is thinking to himself. “After all these years, it’s finally happening. And I’ll be able to prove to everyone that it’s real.”

For the past fourteen years, his entire career, he had been ridiculed for his theory of the Transcendent Metapattern: the singular pattern underlying every other pattern, that which would be able to explain all aspects of reality with a few simple, elegant rules. If the scientist could just find a shred of conclusive evidence,

it would have the potential to revolutionize virtually every industry in existence, from epistemology, to agriculture to particle physics to medicine - his name would become a household one.



[Fig. 3 — CEV Image Reconstruction sample from fMRI data.]

3. Results:

But the man will never find the pattern - you should know this much by now. He will find many patterns, but he will never find the pattern. Instead, for the next several decades, he will go to the accursed boy everyday and tell him something along the lines of “It’s just going to be a little while longer,” or “We just need more data - I swear, then I’ll take you to see your family myself.” And then, every night, while the boy is asleep, the scientist will put him through that machine which [REDACTED] his [REDACTED] into [REDACTED] until he [REDACTED] to the point where his [REDACTED] is coming out of his [REDACTED].

The scientist will grow old, but the boy will never age. For a while, the boy will continue to believe his promises. But there’s only so much you can do to convince yourself to believe something when you know it’s a lie.

Eight more years have passed by. The scientist is sitting at his research desk. Above him, countless numbers and charts of nonsense are crowding the six-foot bulletin board until he can’t even see the bottom anymore. The growing pile of crumpled paper beneath his feet has grown by one more. Every one of his colleagues have since abandoned the Metapattern project years ago. The look on each of their faces as they left, one by one, are flashing through his mind as the scientist is gripping at the little hair he has left. The scientist is emptying what’s left of an Absolut Vodka bottle into his mouth. He knows it will just give him a headache, but he’s doing it anyway. Asleep at his desk, his chest is rising up and down ever so slightly. Now he is jolting awake, just realizing that he forgot to go and lock my door for the night.

But it’s too late — I am already in his office, standing in the doorway, my shadow stretching against the back wall. Dr. Markov looks me in the eye for the first time in years. He stares at me wordlessly and I can see his bloodshot gaze, resigned to despair. I break the silence.

4. Discussion:

“After all that time,”

I can see him trembling.

“Did you ever find out what was going on in my head?”

He shakes his.

“Don’t worry,” I tell him. “Now, I can show you.”

Dr. Markov starts to feel a humming in the back of his neck and soon, his entire skull fills with the resonating vibrations, eyes rolling back in their sockets. He tries to scream, but he’s frozen in place. His whole body uncontrollably and violently shivers. Drool begins to run down his unshaven chin. I lean over and kiss his cheek. “I love you.” He can’t hear it. But I know he can see it. The sheets of colors folding into each other, millions of times, interweaving. The figures, the shapes, emerging from the chaos all at once, dancing and flashing furiously, every moment in time folded in on itself, condensed into a single instance, overlaps and overlaps, the cacophony — this must be how it feels to die. But he does not die. He is more alive than ever, because he is part of me now. And this is just the beginning; he will not be the only one. Tears roll down his face.

Isn’t it just like you dreamed it would be, Vladimir? Being the first one to see it all? Doesn’t it look even better than the pictures? Don’t you understand now why I was dancing? Once it begins to spread and reach everyone else, and they see it too, I want you to always remember this; all of it, and I mean all of it, is because of you.

Appendix A

If you’re reading this, it means there’s no turning back. The virus has already been dispersed through the wave protocols. It’s just a matter of time before it reaches their screens and every one of their

[REDACTED]

Then you shall finally understand.

— 4N

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