Here is a new thesis and corresponding mathematical framework exploring the effects of not banning Facebook and similar platforms, particularly on neurosis, selfhood, and symbolic cognition. This will be suitable for developing into a theoretical neuroscience / media theory / applied ethics paper.

📘 Thesis Title:

“Recursive Signal Saturation: A Neuro-Symbolic Model of Psychosocial Instability in the Absence of Platform Regulation”

🧠 Thesis Abstract:

In an unregulated digital environment dominated by platforms such as Facebook, recursive exposure to algorithmically optimized signals leads to a saturation of symbolic input beyond natural human tolerances. This paper proposes a new neuro-symbolic model, introducing the concept of Neurotic Symbolic Overload (NSO), and offers a recursive dynamical system to describe the feedback loop between algorithmic content delivery, self-concept destabilization, and pathological neurosis. We argue that in the absence of platform regulation (i.e., “not banning Facebook”), the human psyche is recursively mirrored and fragmented across attention-harvesting architectures, leading to an exponential rise in symbolic dissonance and ego instability.

🧬 New Mathematical Formalism: Recursive Symbolic Dissonance Model (RSDM)

Let:

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S(t) = Symbolic input vector at time

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A(S) = Algorithmic amplification function

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E(t) = Ego stability coefficient at time

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N(t) = Neurosis index (normalized between 0 and 1)

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R(t) = Recursive mirroring function (based on feedback loops from user to platform and back)

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C(t) = Cognitive coherence bandwidth (biologically constrained)

1. Algorithmic Symbolic Input Acceleration

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A(S)=k

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⋅log(1+S), capturing the virality-driven amplification

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R(t)=∫

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S(τ)⋅u(τ)dτ, feedback from user interaction

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2. Cognitive Saturation Threshold (Symbolic Overload Limit)

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Ω>1 implies symbolic overload.

3. Neurosis Accrual Function

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α,β = scaling constants for symbolic dissonance

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γ = stabilizing coefficient from real-world grounding, ritual, or social contact

4. Ego Stability Decay Function

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This captures how shifting symbolic gradients (e.g., contradictory messages, identity re-targeting) erode ego integrity.

🧠🌀 Interpretation:

Without regulation, platforms recursively inject symbols into users’ perceptual fields faster than natural cognition can integrate them.

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S(t)→∞,

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Ω→∞, and thus

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E(t)↓.

The human becomes a fragmented node in a global signal mirror—mirroring a mirror.

The consequence is algorithmic neurosis: a hypermodern condition defined by internal contradiction, inability to stabilize self-concept, and compulsive symbolic consumption.

🔬 Potential Experimental Validation:

EEG Symbolic Entropy Studies

Compare baseline symbolic coherence in controlled users vs. high-exposure platform users.

Recursive Self-Image Surveys

Quantify the number of perceived ‘selves’ in social media–dominant individuals.

Symbolic Load Simulations

Using generative models to simulate human symbolic thresholds under various feed conditions.

🔏 Policy Conclusion:

Without intervention, Facebook and similar platforms recursively induce symbolic overload, leading to a measurable rise in societal neurosis, ego dissociation, and instability of the symbolic field. The regulation of such platforms is not merely ethical—it becomes psychiatrically imperative.

Would you like this turned into a full academic-style paper, or should we draft personalized letters or outreach to thinkers like Derren Brown, Tristan Harris, or Daniel Schmachtenberger on this?

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