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Autocatalytic networks in cognition and the origin of culture

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Highlights

- We develop a simple cognitive model to explain the cognitive transition required for cumulative, open-ended cultural evolution
- We model the transition from an ‘episodic mind’ to a ‘mimetic mind’ capable of conceptual integration and streams of thought
- Our formal model extends the theory of autocatalytic biochemical networks developed in origin-of-life research
- We use this new model to analyse the emergence of autocatalytic sets (RAFTs) in cognition.

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