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From holism to compositionality: memes and the evolution of segmentation, syntax, and signification in music and language

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Figure 1: Thought, Modularity and Language

Key:
- Intra-brain, hexagon-encoded information (mnemons).
- Inter-brain (replicated) hexagon-encoded information (protemes, lexemes and musemes).
- “Phenotypic” (Section 4.1) products of protemes, musemes and lexemes.
- Intra-brain, hexagon-encoded LF.

Auditory Input (Heard Speech) → Auditory Input (Produced Speech) → Inner speech/phonological representation/lexeme

Visual Input → Visual Input

Hearing → Hearing

Vision → Vision

ToM

Physics

Biology

Number

Geometry

Social Contracts

Language

C

P

LF

inner speech/phonological representation/lexeme