

The Brain—is wider than the Sky—
For—put them side by side—
The one the other will contain
With ease—and you—beside—

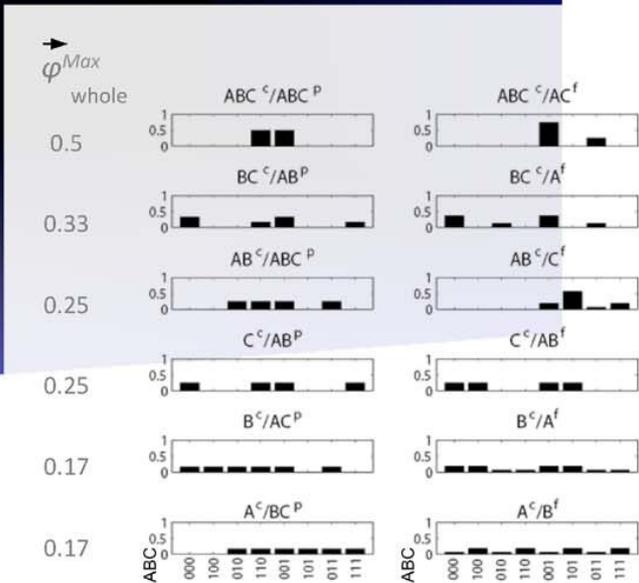
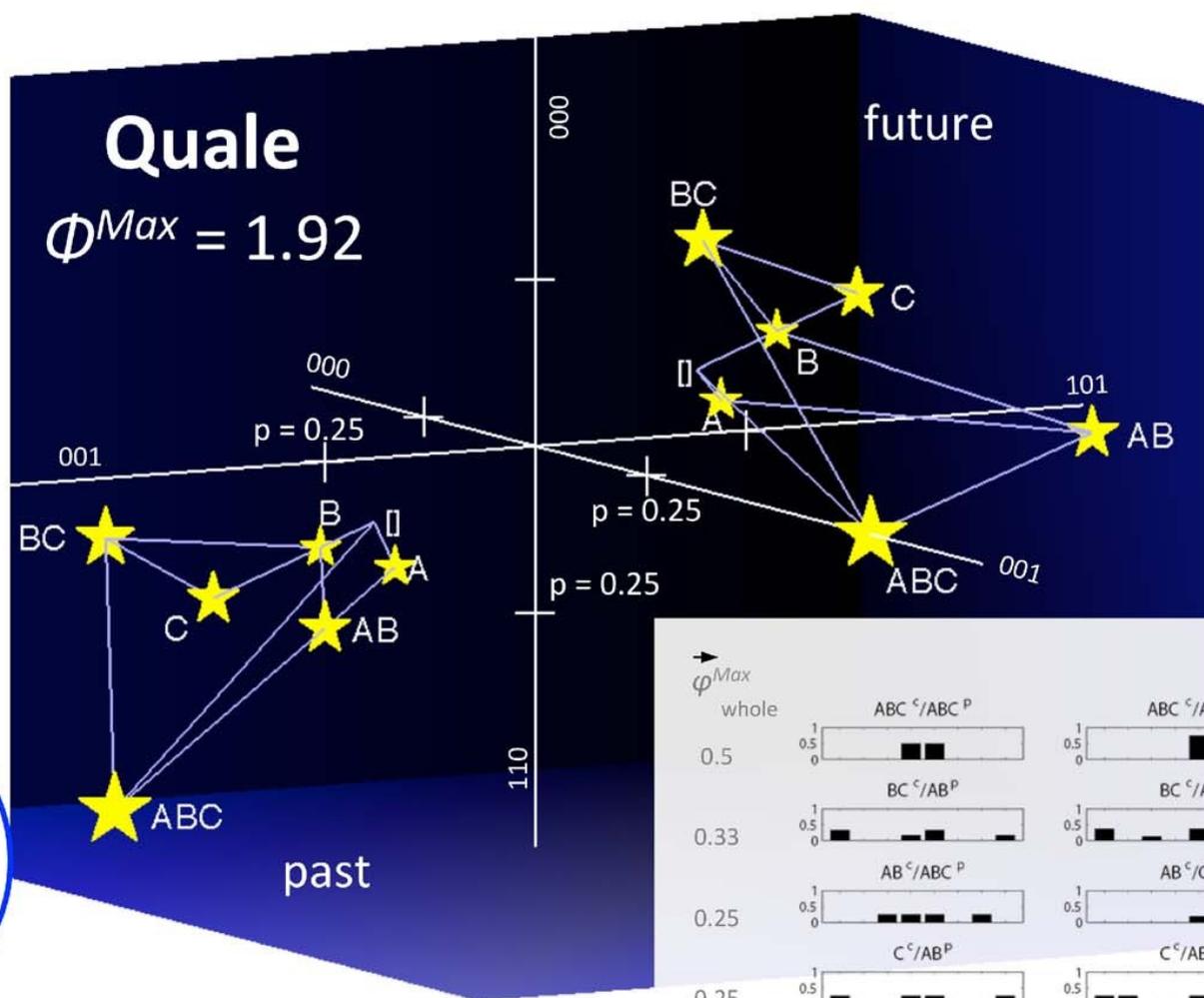
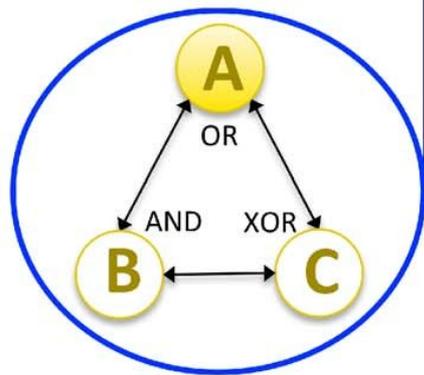
The Brain is deeper than the sea—
For—hold them—Blue to Blue—
The one the other will absorb—
As sponges—Buckets—do—

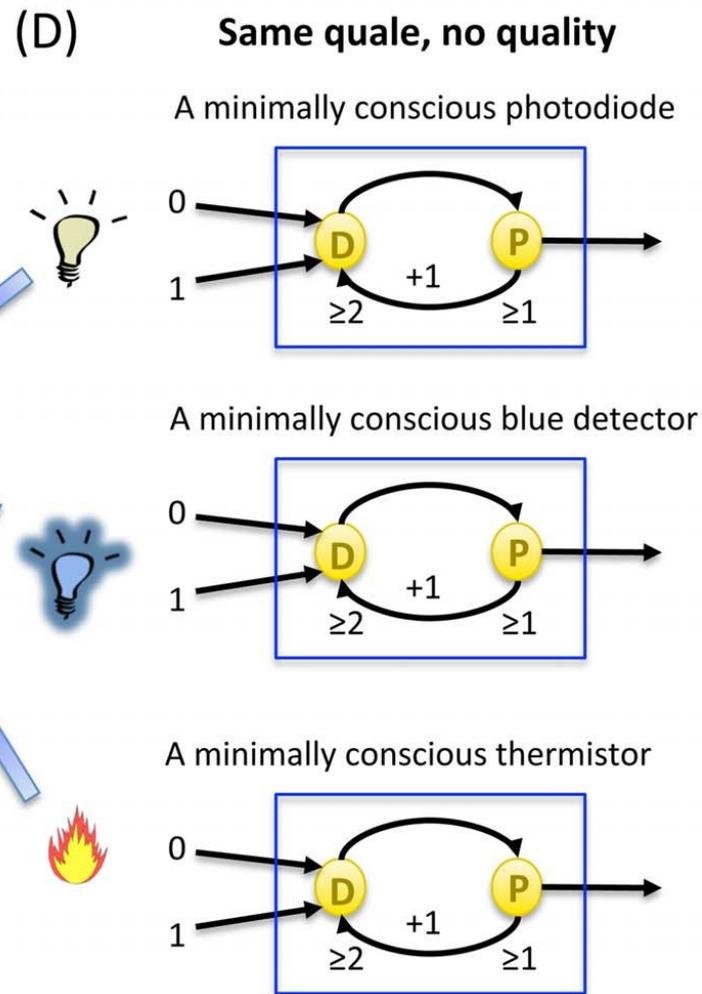
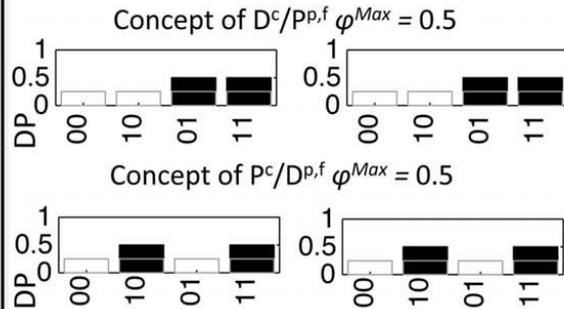
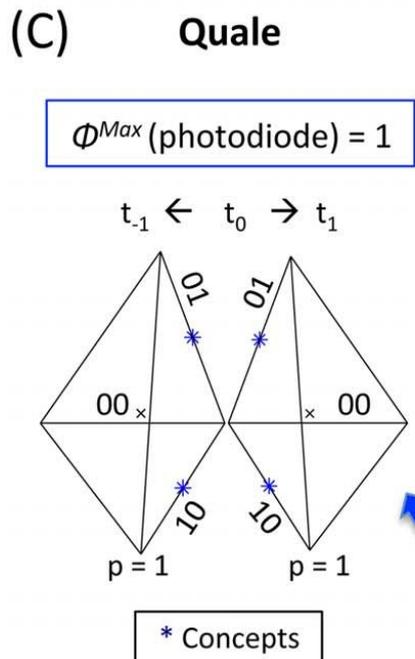
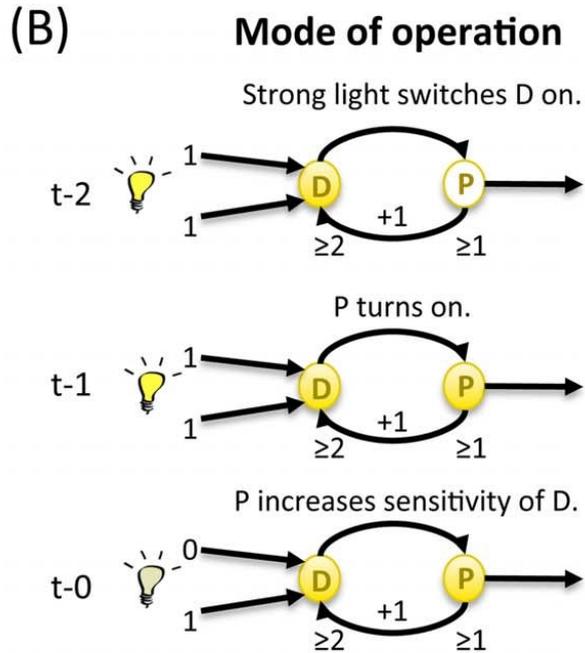
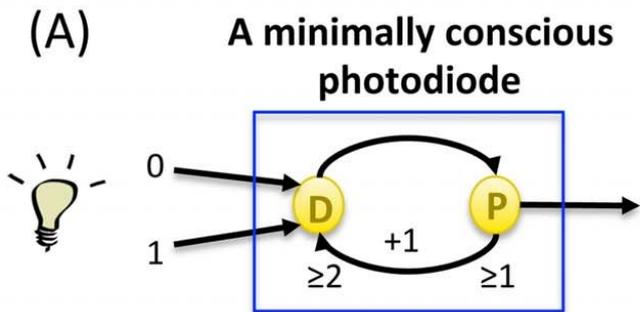
The Brain is just the weight of God—
For—Heft them—Pound for Pound—
And they will differ—if they do—
As Syllable from Sound—

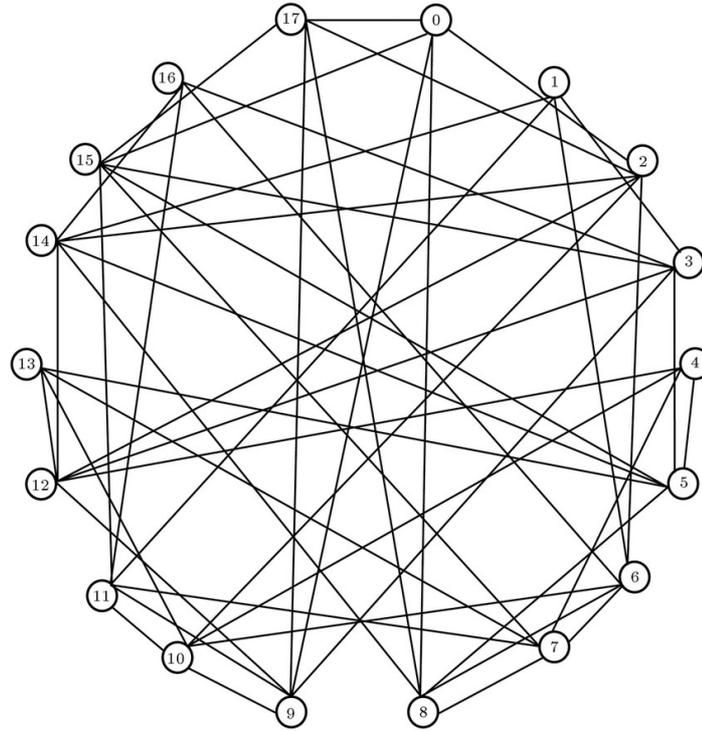
Emily Dickinson, ~1862. Poem 632.



Complex



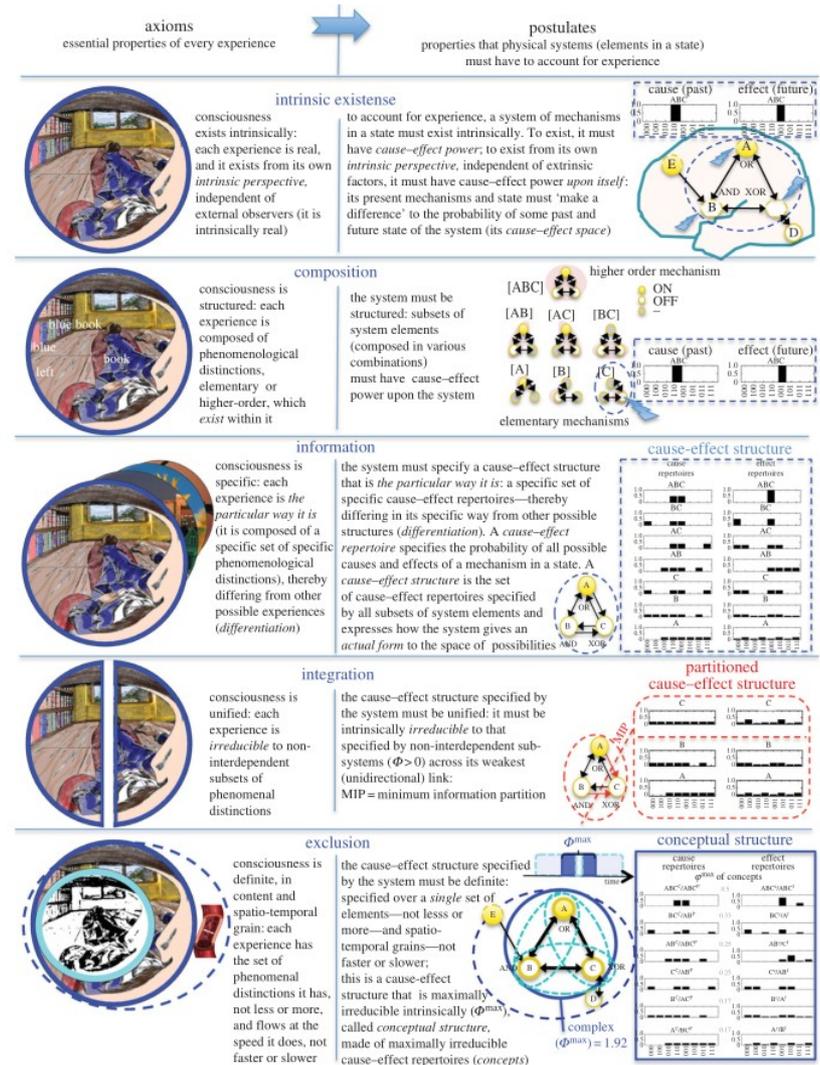


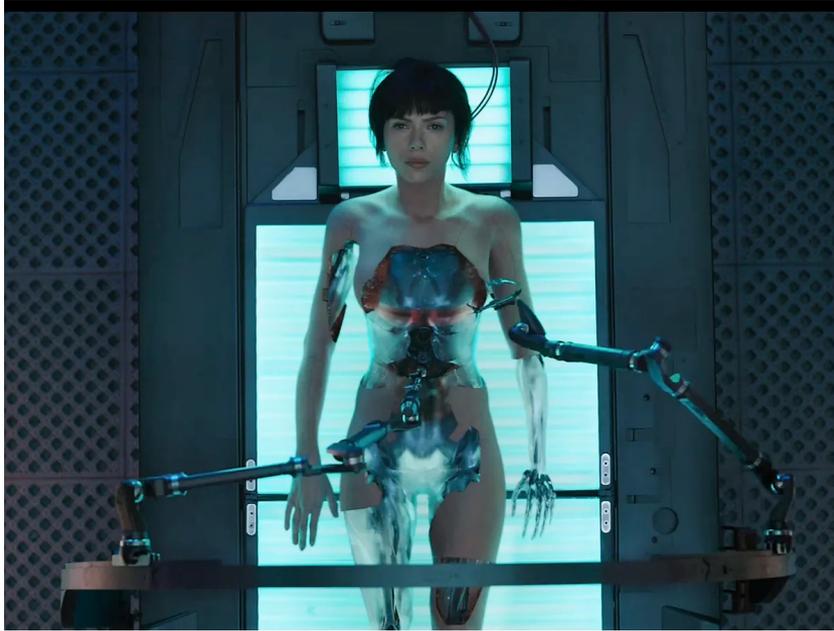


Aaronson, 2014. Giulio Tononi and Me: A Phi-nal Exchange.

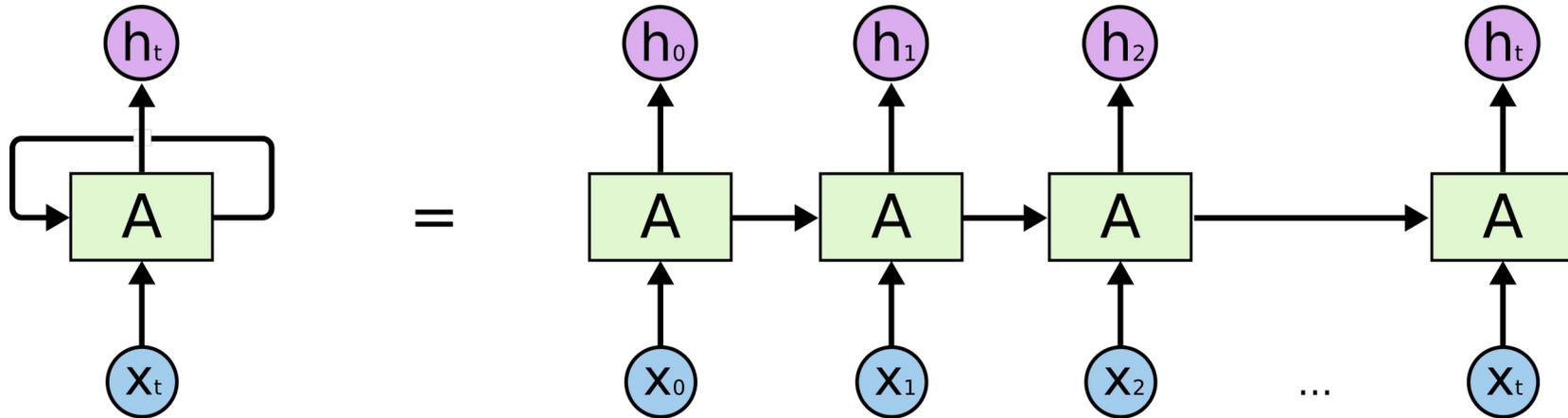
<https://www.scottaaronson.com/blog/?p=1823>

Bayne, 2018. On the axiomatic foundations of the integrated information theory of consciousness.



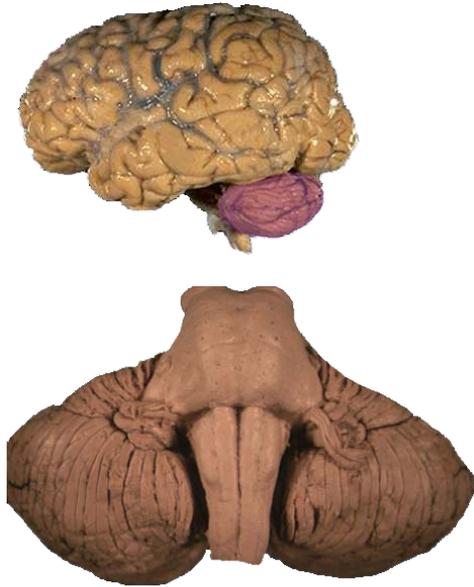


Cerullo, 2015. The Problem with Phi: A Critique of Integrated Information Theory.



Doerig et al, 2019. The unfolding argument:
Why IIT and other causal structure theories
cannot explain consciousness.

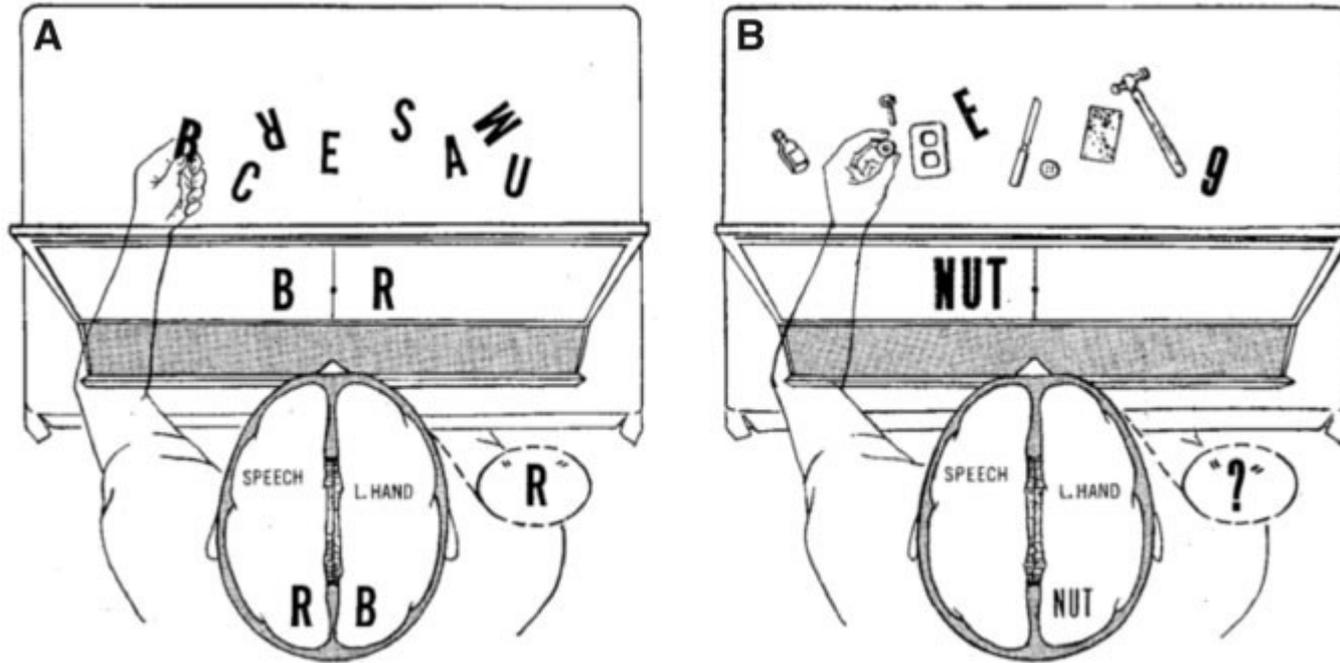
Consciousness is associated with capacity for information integration.



Changes in brain connectivity can lead to changes in consciousness without changes in neuronal activity.

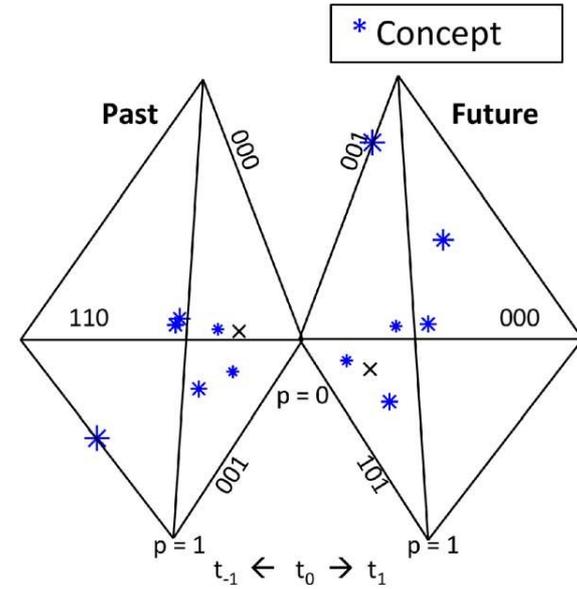


Split-brain experiments may split consciousness.



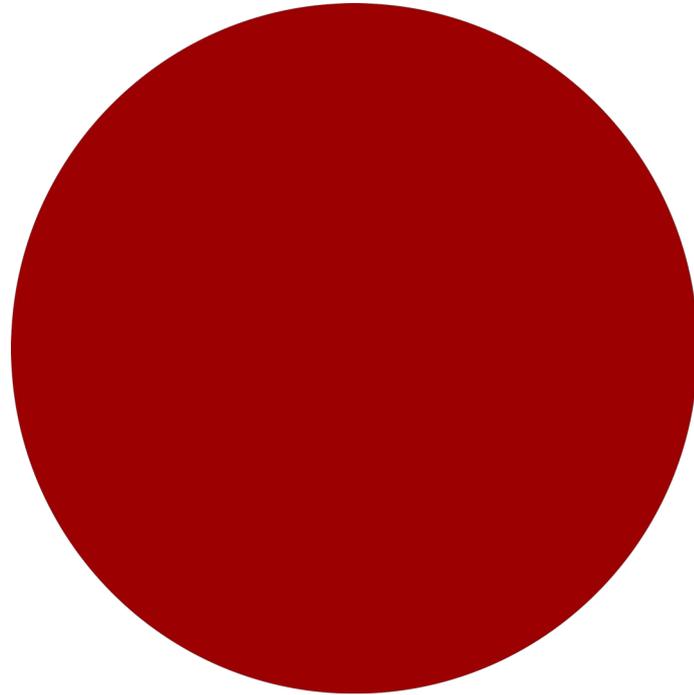
Volz and Gazzaniga, 2017. Interaction in isolation: 50 years of insights from split-brain research.

Differences in experience correspond to distances between conceptual structures.



Conceptual structure
plotted as a **constellation**
of concepts
in concept space

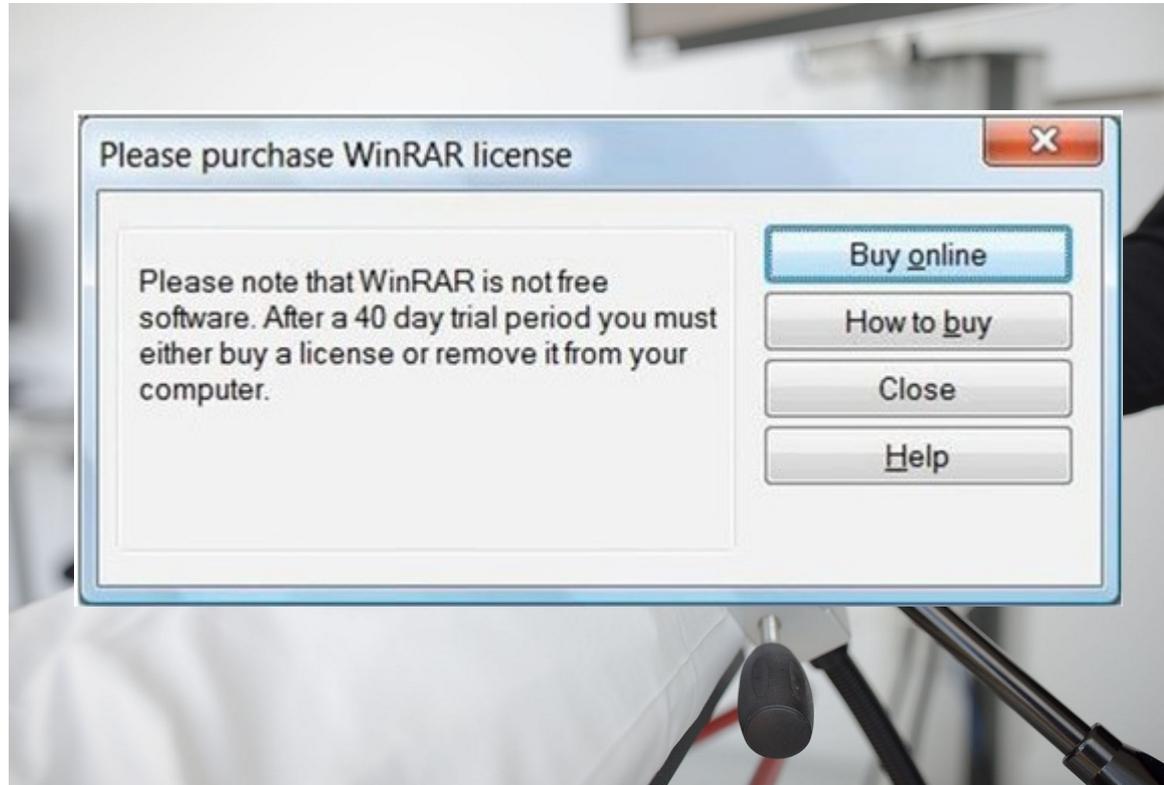
Binding of phenomenal distinctions corresponds to overlapping purviews in the conceptual structure.



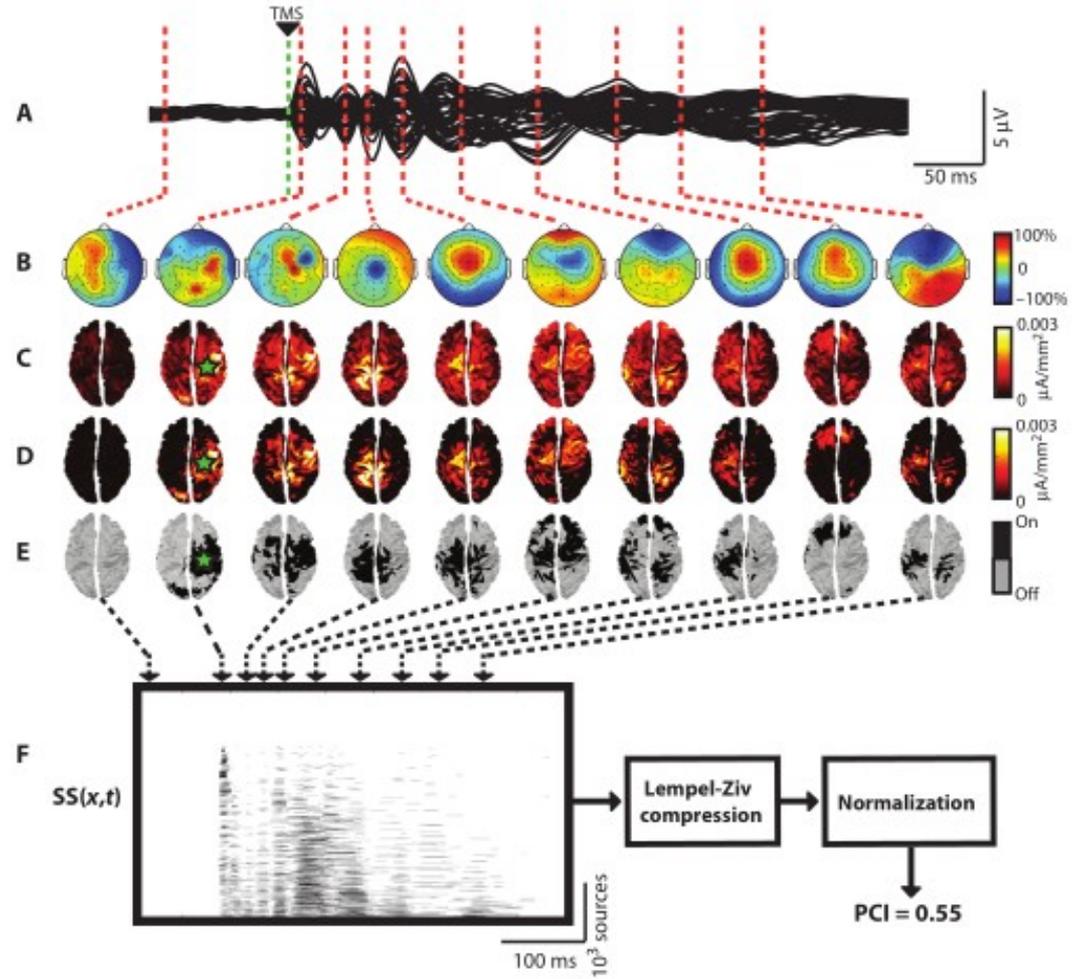
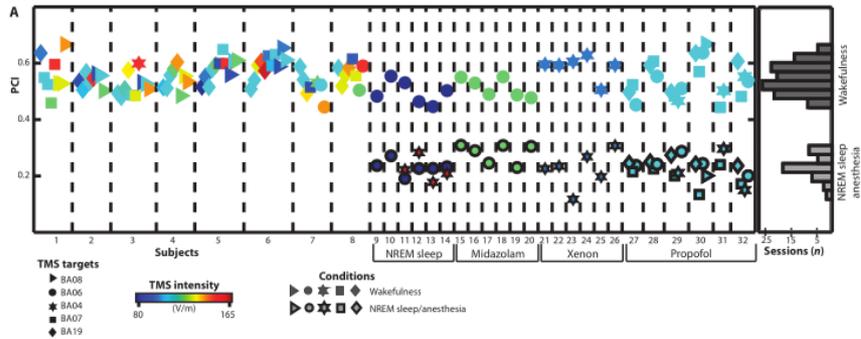
Perturbational Complexity Index (PCI)



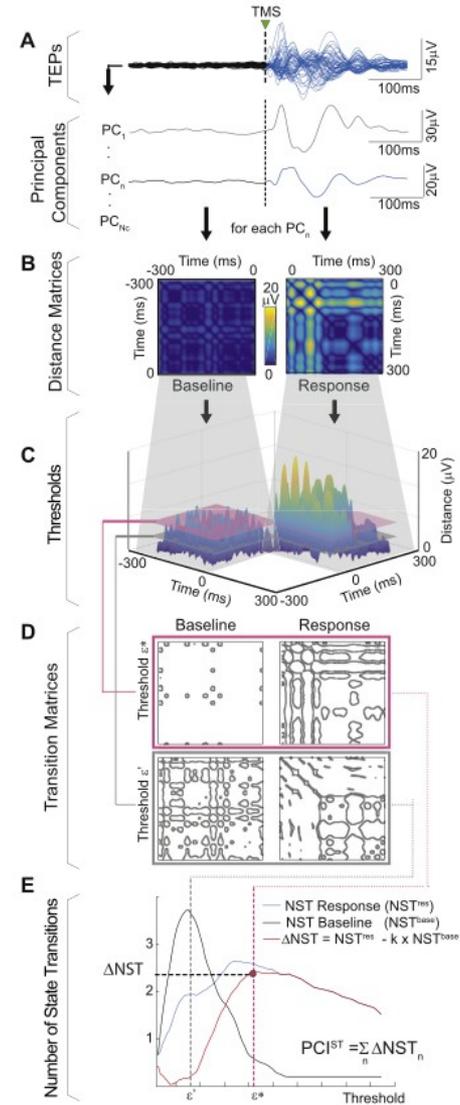
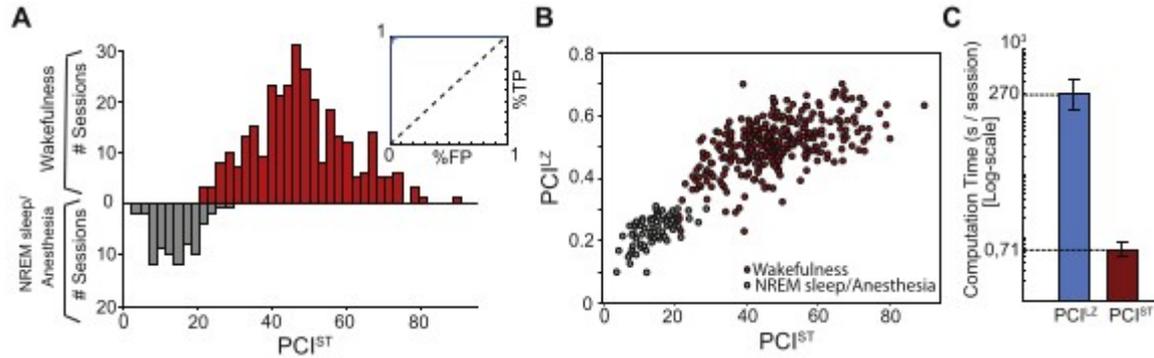
Perturbational Complexity Index (PCI)



Casali et al., 2013. A Theoretically Based Index of Consciousness Independent of Sensory Processing and Behavior.



Comolatti et al., 2019. A fast and general method to empirically estimate the complexity of brain responses to transcranial and intracranial stimulations.



Sarasso et al., 2015.
Consciousness and
Complexity during
Unresponsiveness
Induced by Propofol,
Xenon, and Ketamine.

