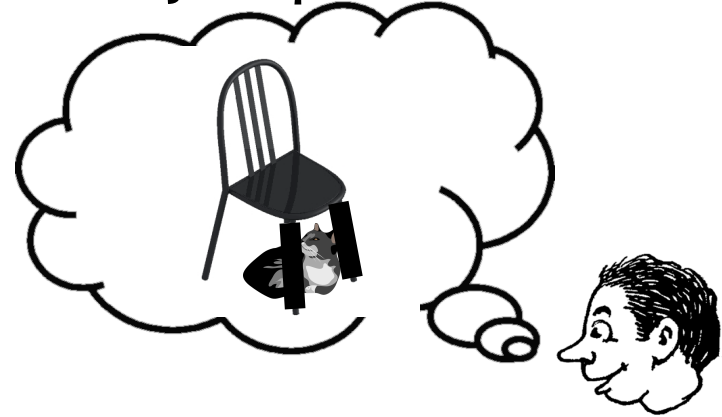


Imagistic vs. propositional representations

An **imagistic** representation
stores the sensory experience



A **propositional** representation
stores the abstract relation

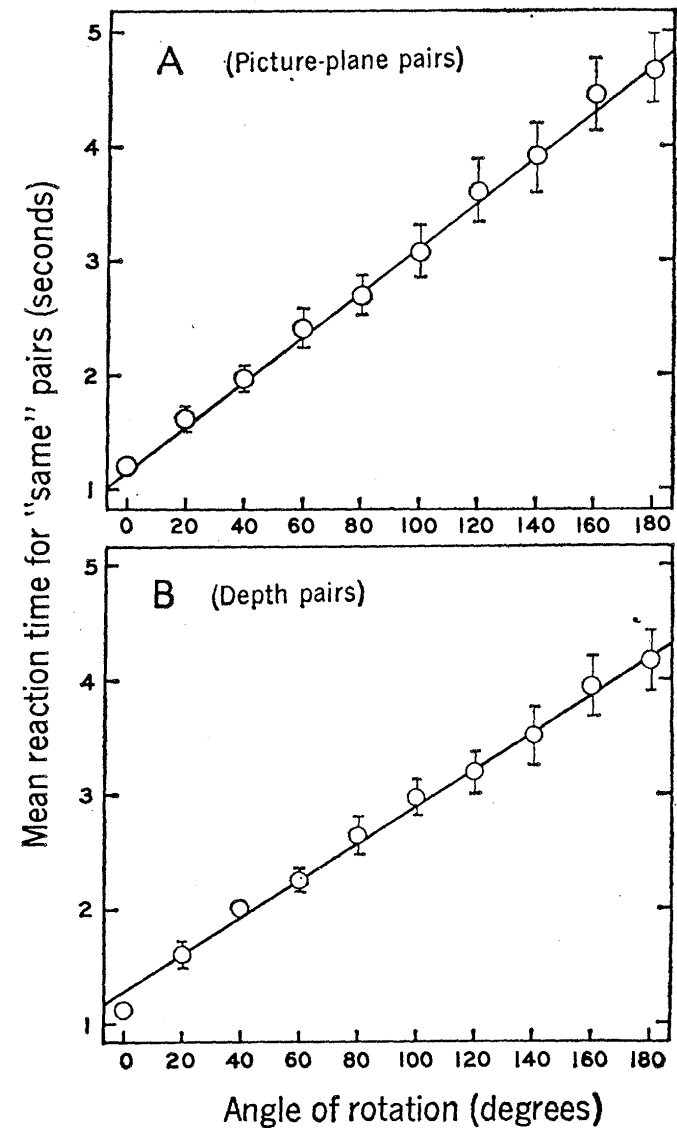
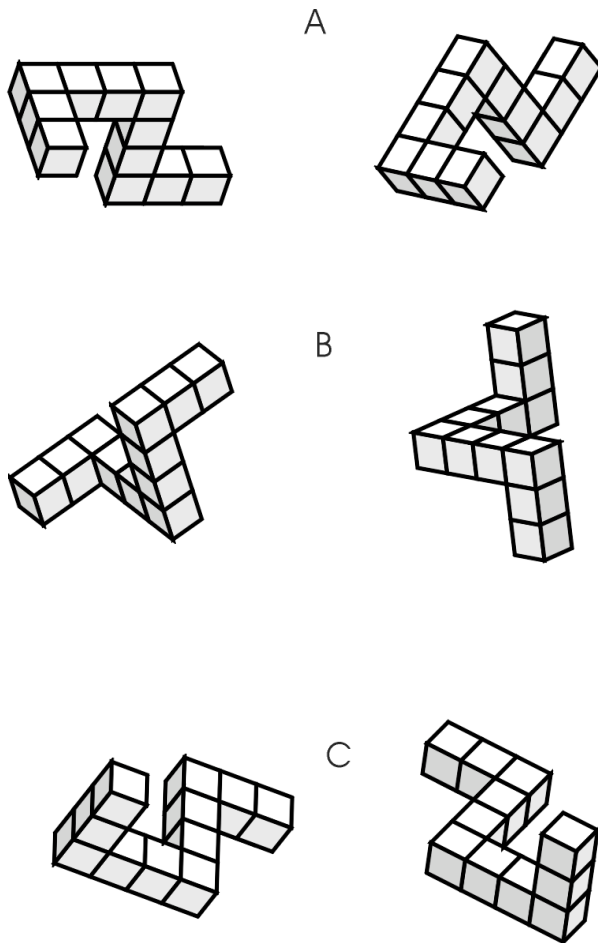
`under(cat,chair)` `3<4`

`is_a(robin,bird)` `capital(NJ,Trenton)`

Mental rotation

(Roger Shepard, 1970s)

Same or different?



Mental imagery

- Mental rotation involves a mental analog of physical rotation

A spatially organized **analog** of a real picture is progressively transformed

- This is very different from propositional or declarative information.

It encodes information that hasn't been verbalized.

Mental imagery

- The mental image is a representation of a visual scene

Stored in LTM

Retrieved and placed in a short-term visual buffer

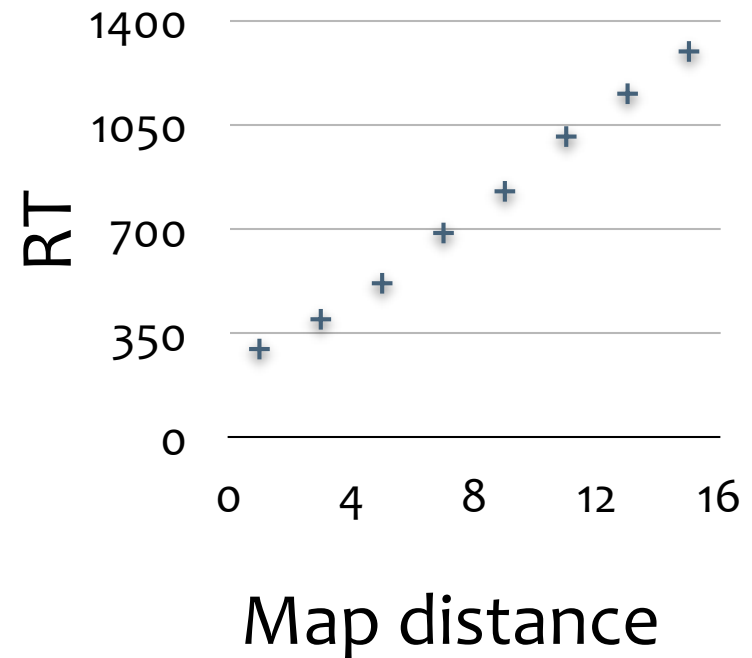
Examined by the visual system

Mental scanning

Imagine moving from... to



Results



Conclusion: mental distance is an analog of actual distance