## Kellman & Arteberry

"Theories that focus on events in perception open the possibility that more of human knowledge is perceptual than has previously been assumed. Few would quibble with the idea that extracting information about the movement or stationary positions of objects is part of *perception*. But consider *object permanence*. Human adults appear to have several core beliefs about physical objects, including the belief that an object experienced at different times has continued to exist in the interim. Stated this way, the principle appears to be part of our cognitive structure, not a product of perception."



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## Question

Question: If cognitive structure is not the same as perceptual knowledge then is it appropriate to use perceptual methodologies and perceptual measures to study inherently cognitive questions?

The Long Answer: Stay tuned for discussion of Haith's critique of this line of work.

The Short Answer: Kellman & Arteberry suggest that "studies of early object permanence may be interpreted in an event perception framework as indicating the early appearance of perceptual mechanisms that produce representation of persistence from certain optical transformations (i.e., shrinkage of visible portion of object, deletion of object and its texture at the occluding edge)" In other words, results from such studies may simply indicate that infants are sensitive to changes in various perceptual object attributes, NOT that infants are reasoning about them!













