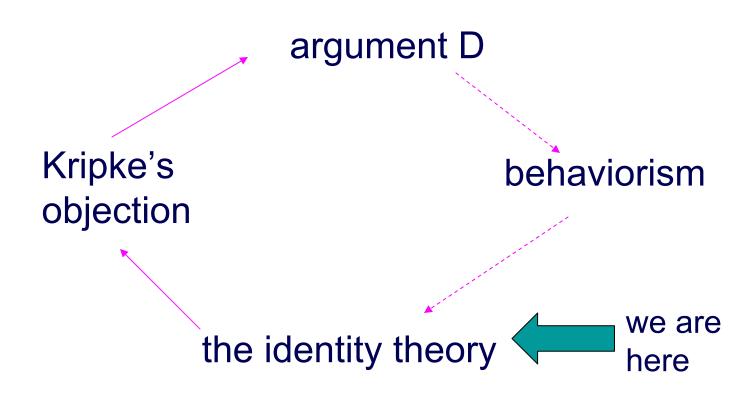
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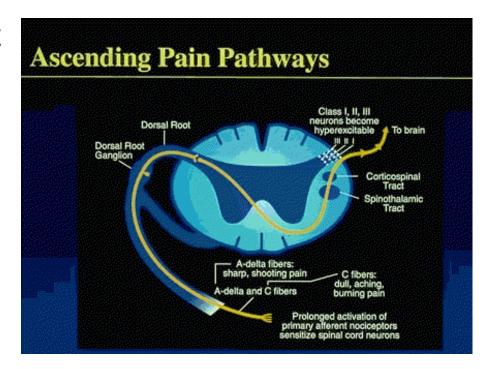
The identity theory

roadmap



the identity theory

- proposed by JJC Smart and UT Place in the 1950s
- a "theoretical identity"
 water=H₂O
 heat=molecular kinetic
 energy
 pain=c-fibers firing
 ("c-fibers" is just a
 placeholder for a more
 realistic candidate)



"Sensations and brain processes"

"the suggestion I wish to resist is...that to say 'I have a yellowish orange afterimage' is to report something irreducibly psychical.

Why do I wish to resist this suggestion? Mainly because of Occam's razor...That everything should be explicable in terms of physics...except the occurrence of sensations seems to me to be frankly unbelievable. Such sensations would be 'nomological danglers,' to use Feigl's expression."

JJC Smart

William of Ockham (1287-1347)

- Nominalism: properties (or "universals") don't exist
- "Ockham's razor":
 entities are not to be
 multiplied without
 necessity

identity

- correlation vs. identity
 footprints≈the burglar/Bill Sykes=the burglar
- the 'is' of identity and the 'is' of predication



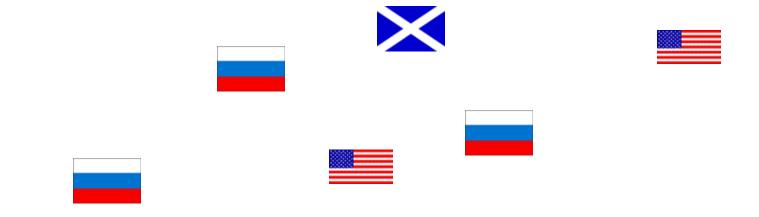
from the philosophical toolkit:

types and tokens

- this terminology is due to the "American Pragmatist"
 C. S. Peirce (1839-1914)
- example 1
 how many words in this sentence? 'The cat sat on the mat'

6 tokens, 5 types

example 2 how many flags?



6 tokens, 3 types

"type-type" vs "token-token" identity theories

pain = c-fibers firing ("type-type")

 Smith's pain at 10am = c-fibers firing in Smith at 10am

Jones' pain at 11am = d-fibers firing in Jones at 11am

. . .

("token-token")

the Smart/Place theory is a "typetype" identity theory

- despite the terminology, "type-type" identity theories are not best understood in terms of the "type-token" distinction
- it is better to think of the "type-type" theory as identifying properties rather than types (note that the American flag -- taken either as a type or a token -- is not a property)

the property of being in pain = the property of having firing c-fibers

the property of being in pain = the property of having firing c-fibers =>

every event of feeling pain is identical to an event of c-fibers firing (and vice versa)

 so the so-called "type-type" identity theory implies a strong sort of token-token identity theory

Twain and Clemens

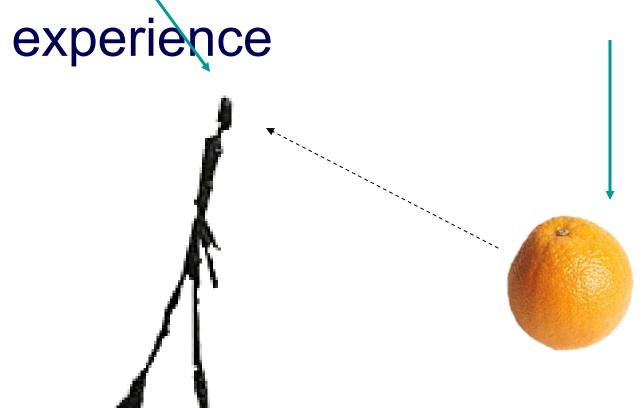
(see Block and Stalnaker, 382)

 \approx

or

=?

Mark Twain born in Florida, Missouri, on November 30, 1835...died in Connecticut on April 21, 1910 Samuel Clemens born in Florida, Missouri, on November 30, 1835...died in Connecticut on April 21, 1910 the experience vs. the object of the

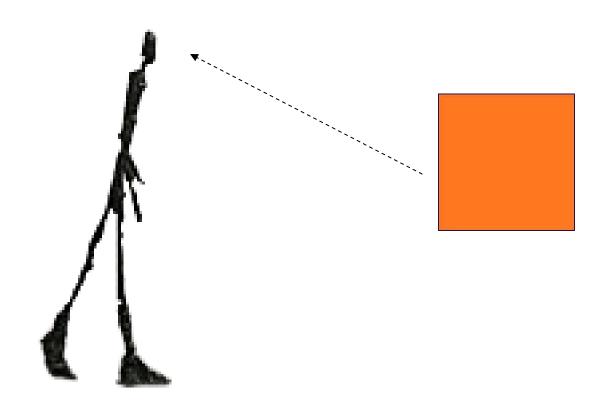


the *object* of the experience is colored orange, not the experience itself

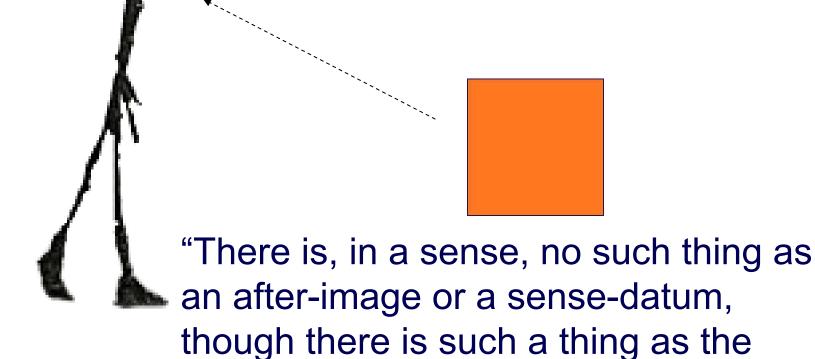
the *experience* = such-and-such brain process



Objection: the after-image is orange, but the brain process is not orange. So the after-image is not a brain process. (cf. "Objection 4")



"I am not arguing that the after-image is a brain process, but that the experience of having an after-image is a brain process..."



experience of having such an image"

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- read Kripke
- read the suggested sections from Crane
- problem set 3