media as cognitive niches

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I semiosis: cognitive artefacts

Il semiosis in the lab: problem-spaces

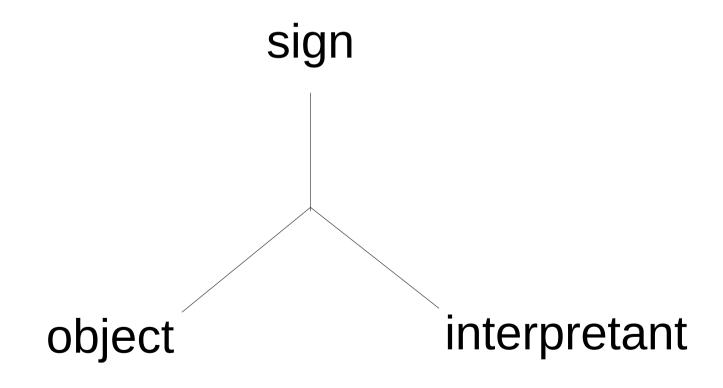
III semiosis in the wild: cognitive niches

I semiosis: cognitive artefacts

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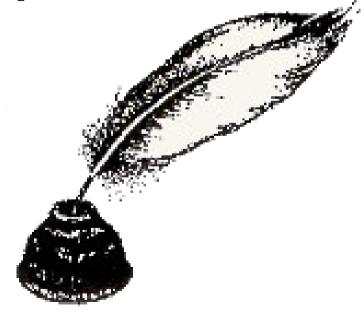
III semiosis in the wild: cognitive niches

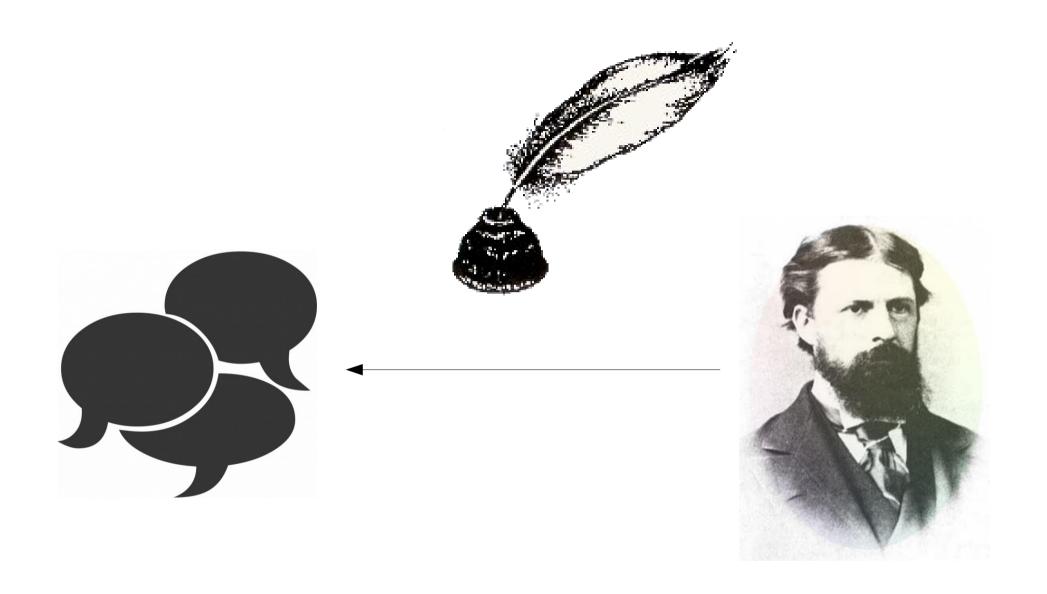
irreducible interpretant: sign to some potential mind



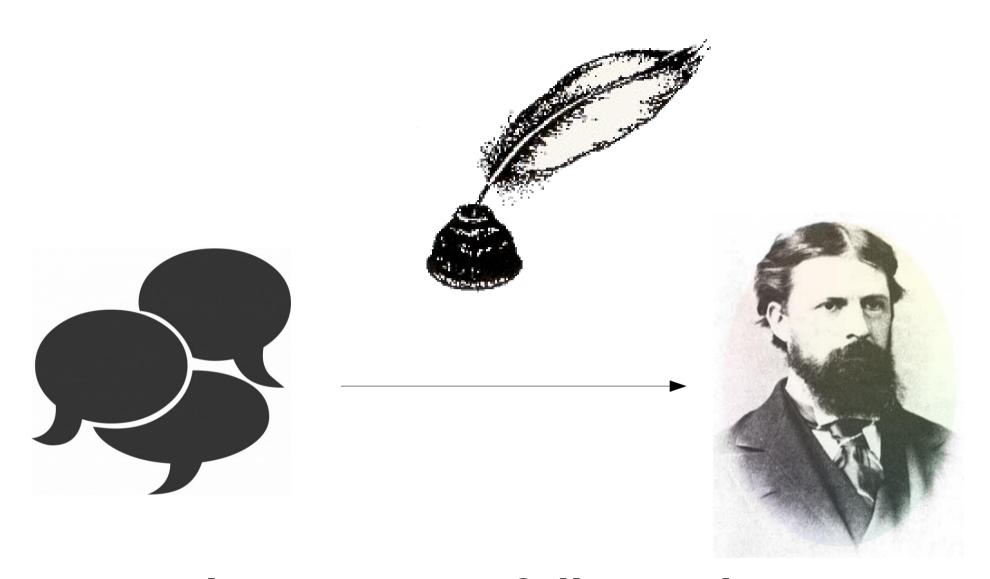
"my faculty of discussion is equally localized in my inkstand. it is localization in a sense in which a thing may be in two places at once" (Peirce, CP 7.366)



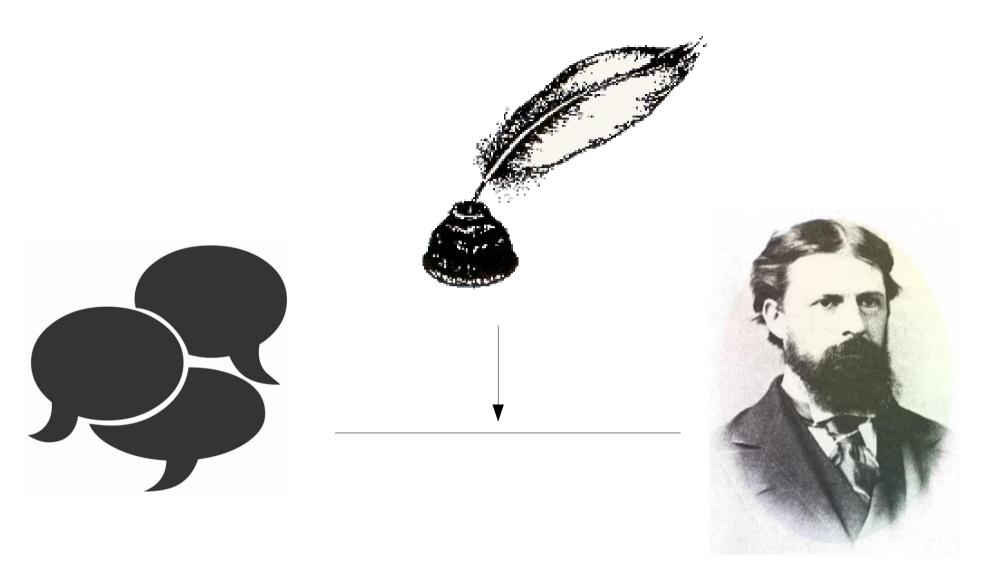




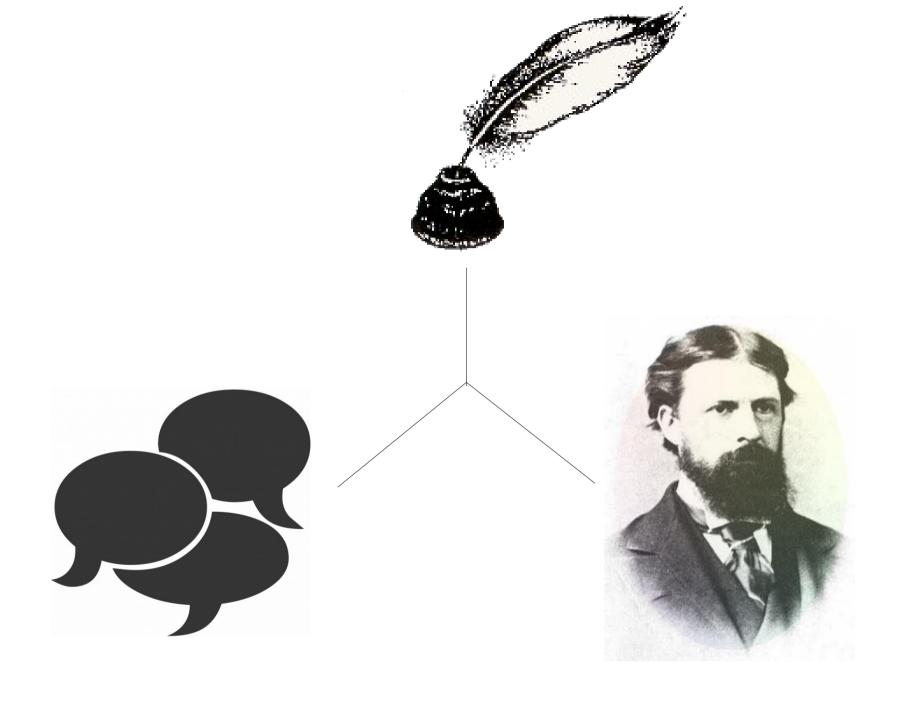
peirce uses the inkstand to have a discussion



the property of discussion acts on peirce, because he has an inkstand



the inkstand frames the discussion, and frames peirce's role on the discussion



inkstand: a cognitive (semiotic) artefact

media as cognitive artefacts:

media changes our cognition

different media: different changes in cognition

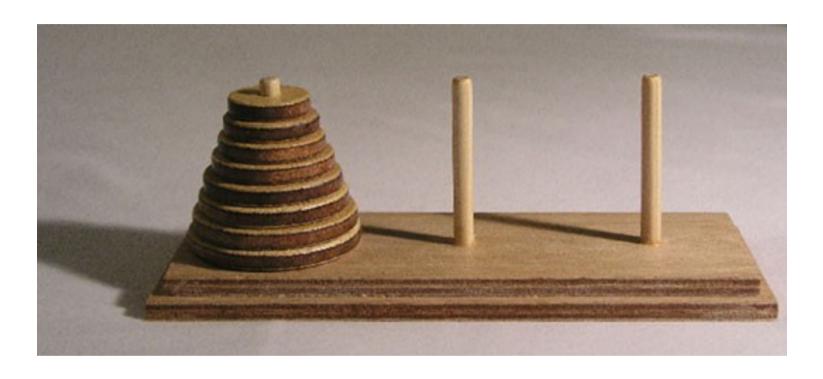
study of media → study of cognitive artefacts: study of how a medium modifies our mind

I semiosis: cognitive artefacts

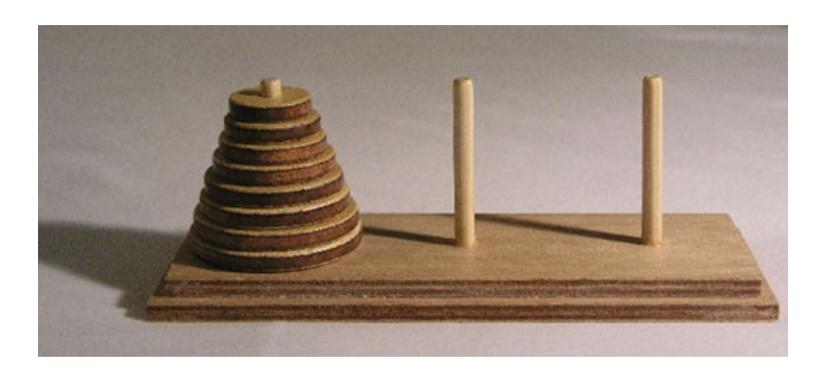
Il semiosis in the lab: problem-spaces

III semiosis in the wild: cognitive niches

the tower of hanoi puzzle-game



the tower of hanoi puzzle-game



- · disks
- · poles
- · initial state
- · end state

- · embedded rules
- non-embedded rules
- possibilities for action

everything i can do while playing: problem-space

media as problem spaces

embedded and non-embedded rules that offer us possibilities for action to a certain end state

different media: different problemspaces

study of media → study of problemspaces: study of what and how medium can perform for a specific purpose

I semiosis: cognitive artefacts

Il semiosis in the lab: problem-spaces

III semiosis in the wild: cognitive niches







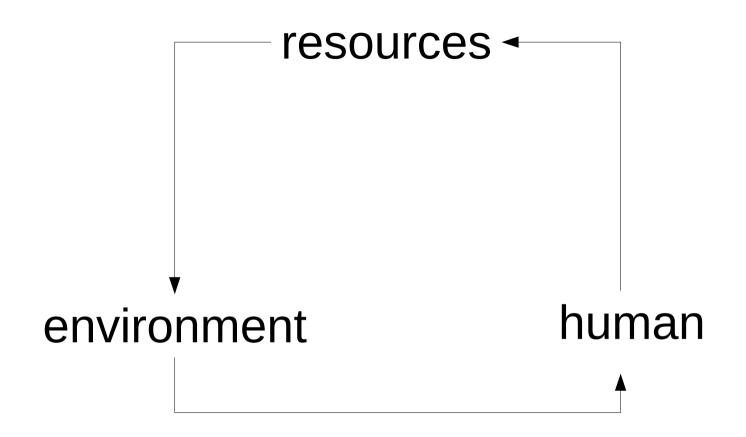
resources

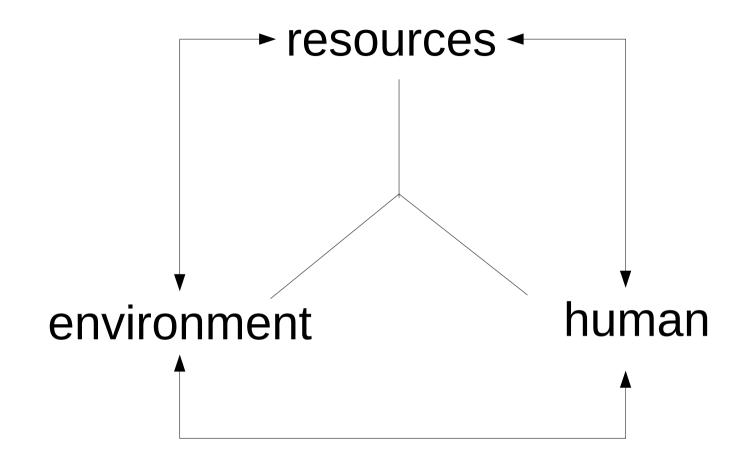
environment

human

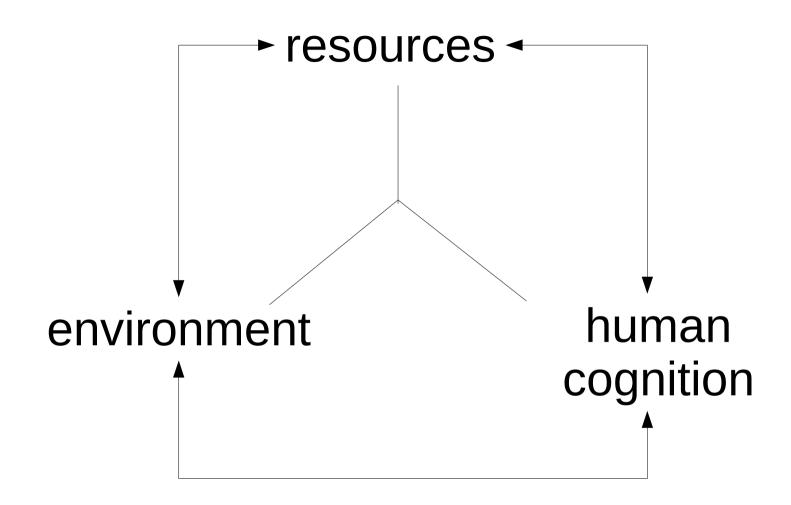
resources

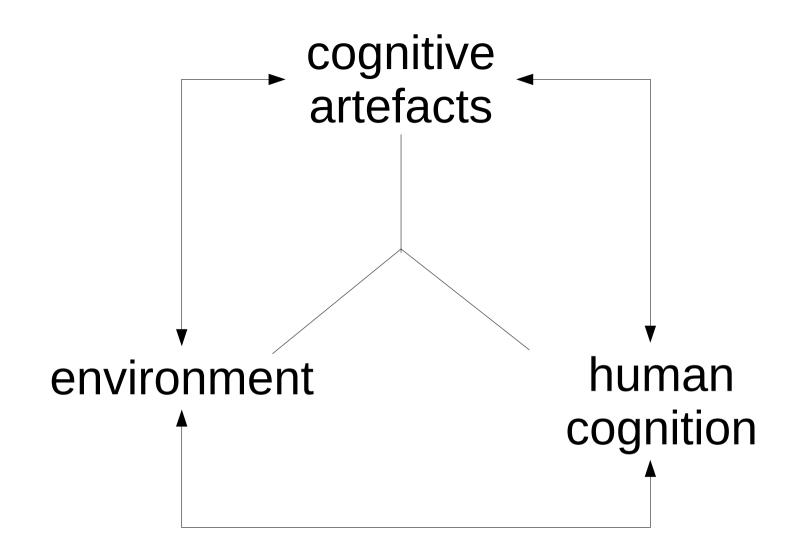
environment human

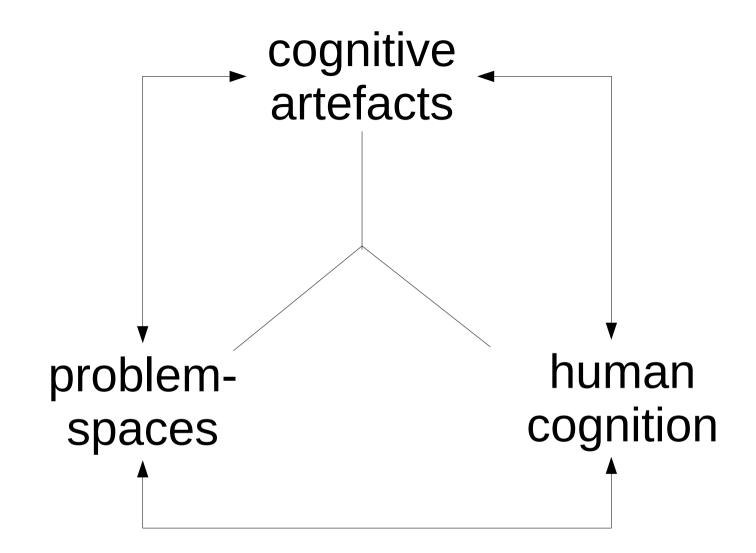


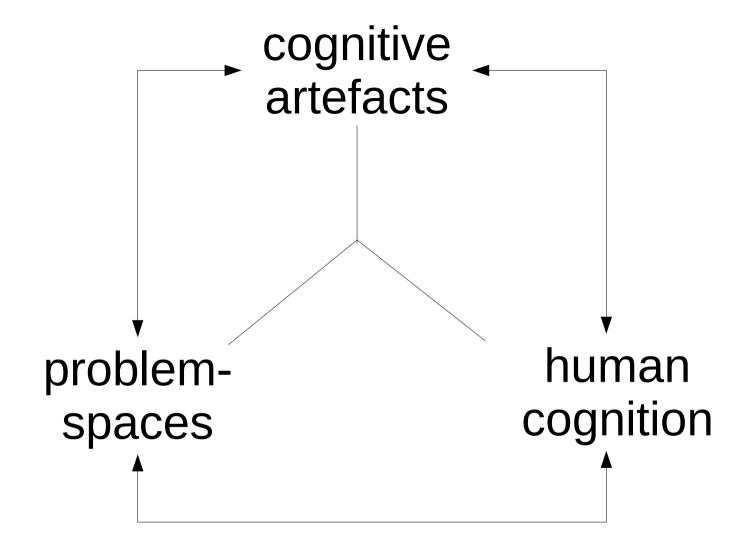


niche construction









cognitive niche construction

cognitive niche construction: the process by which animals build structures that transform problem spaces that aid (or sometimes impede) thinking and reasoning about some target domain or domains. (Clark, 2008)

media as cognitive niche:

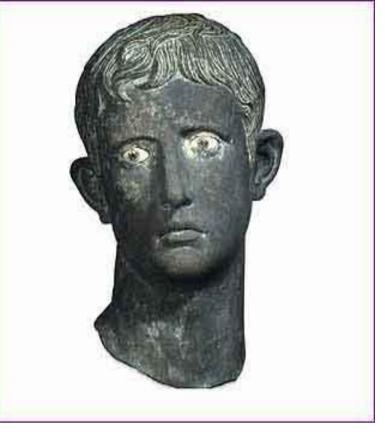
the semiotic environment where cognition acts; the possibility for action itself

a model of media:

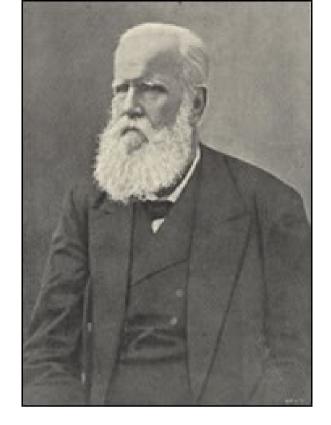
X as media: X as a cognitive niche

X's cognitive artefacts: capabilities that X offers to human mind

X's problem-spaces: rules (embedded or not), conditions, and possibilities of action when using X







sculpture painting photography portraiture royal portraiture

materials? techniques? genres? styles? media?

a new approach for media:

bridge between: cultural studies, media studies, humanities, cognitive semiotics, cognitive science, philosophy of mind, biology...

a model of processes, not substances! a medium is not a 'thing', it is a set of relations changing in time

thank you!

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