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(Gilbert 2006, p. 5)

'The sine qua non of collaborative action is a joint goal [shared intention] and a joint commitment'

(Tomasello 2008, p. 181)

'the key property of joint action lies in its internal component [...] in the participants' having a "collective" or "shared" intention.'

(Alonso 2009, pp. 444-5)

'Shared intentionality is the foundation upon which joint action is built.'

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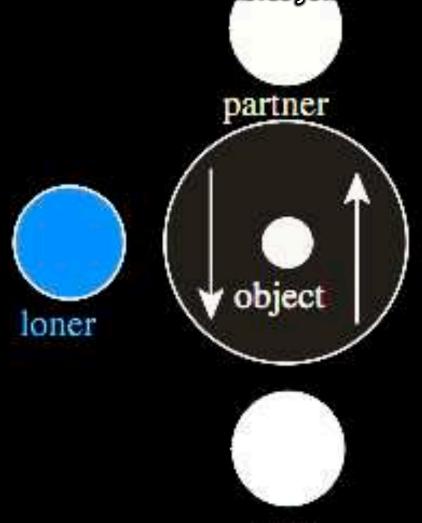
Reciprocal agent-neutral motor representation sometimes enables joint action

"Simulation of another person's action, as reflected in the activation of motor cortices, gets stronger the more the other is perceived as an interaction partner."

--- Kourtis, Sebanz & Knoblich (2010, p. 4)

premise:

Reciprocal agent-neutral motor representation sometimes enables joint action



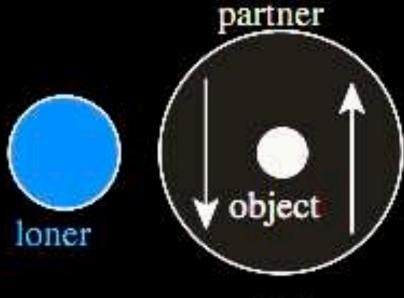
self

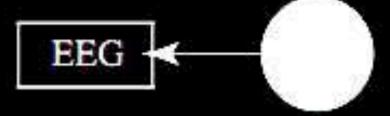
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EEG

partner





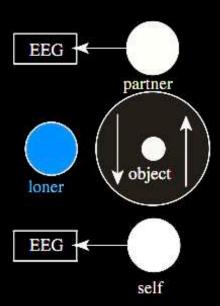
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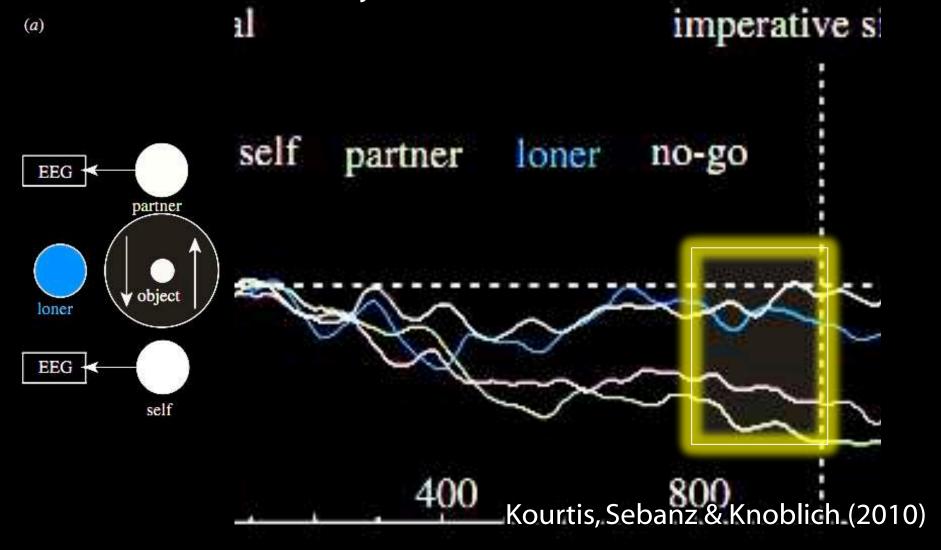
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(a)

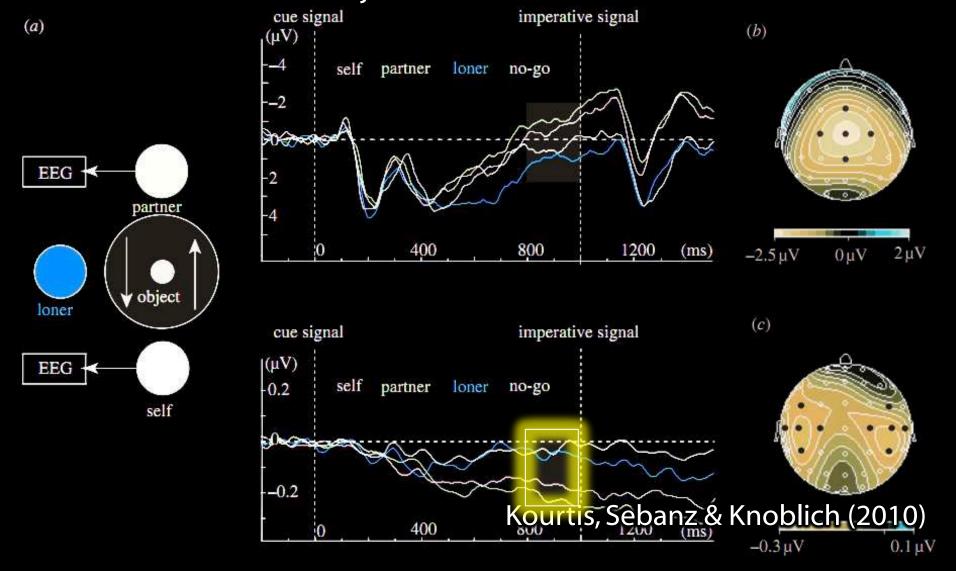


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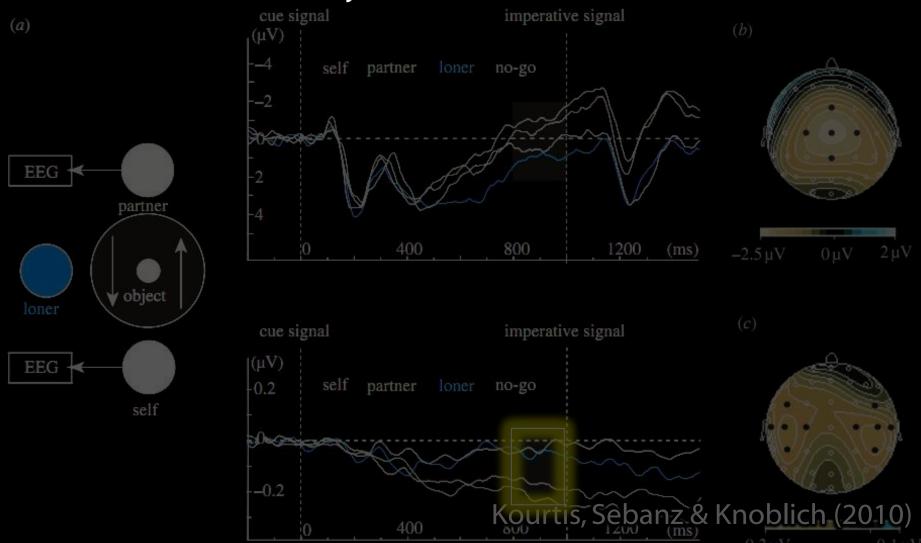
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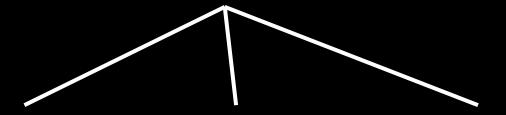


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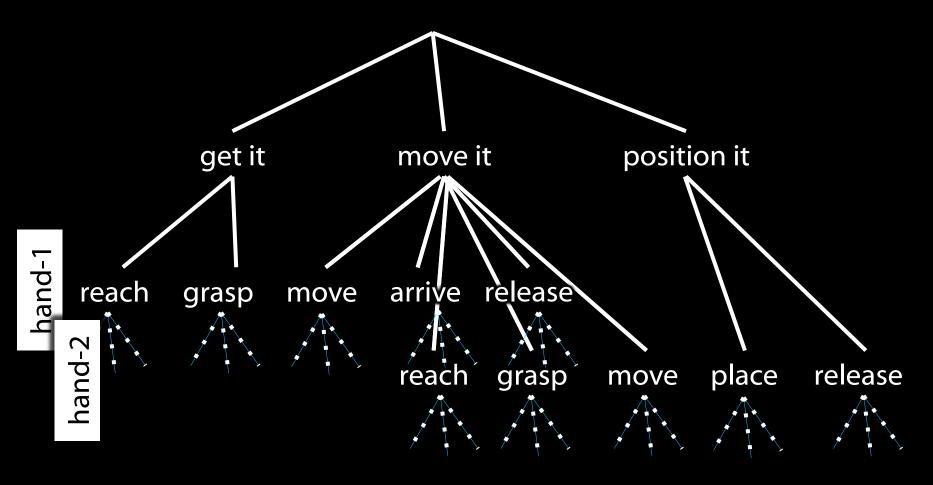


How could reciprocal agent-neutral motor representation ever enable joint action?

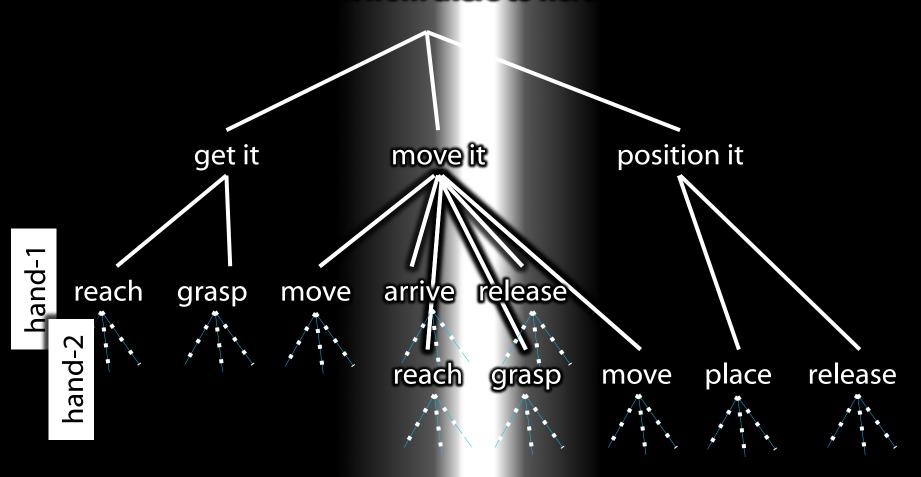
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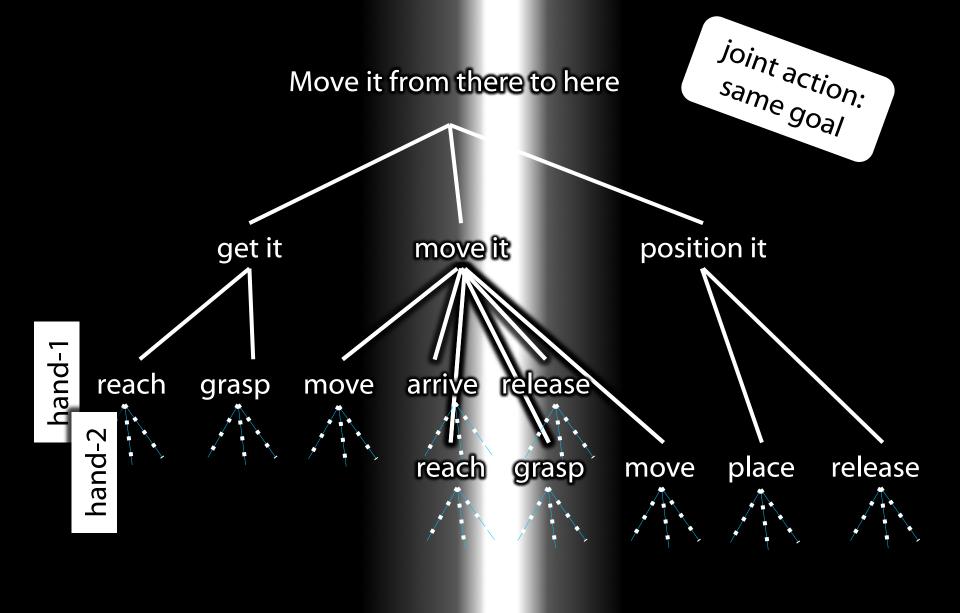


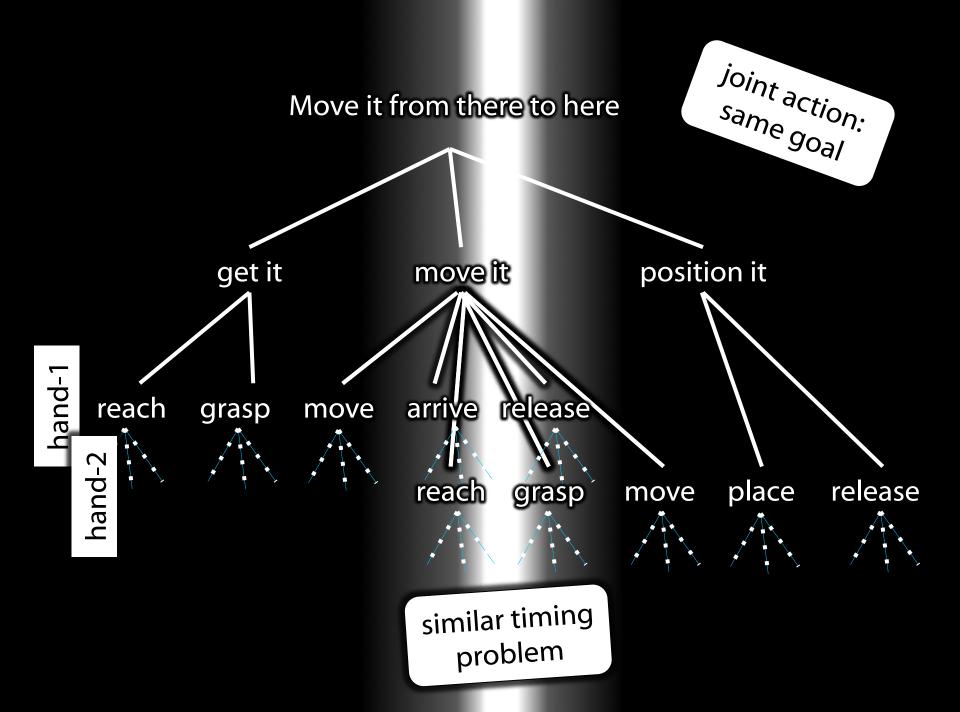
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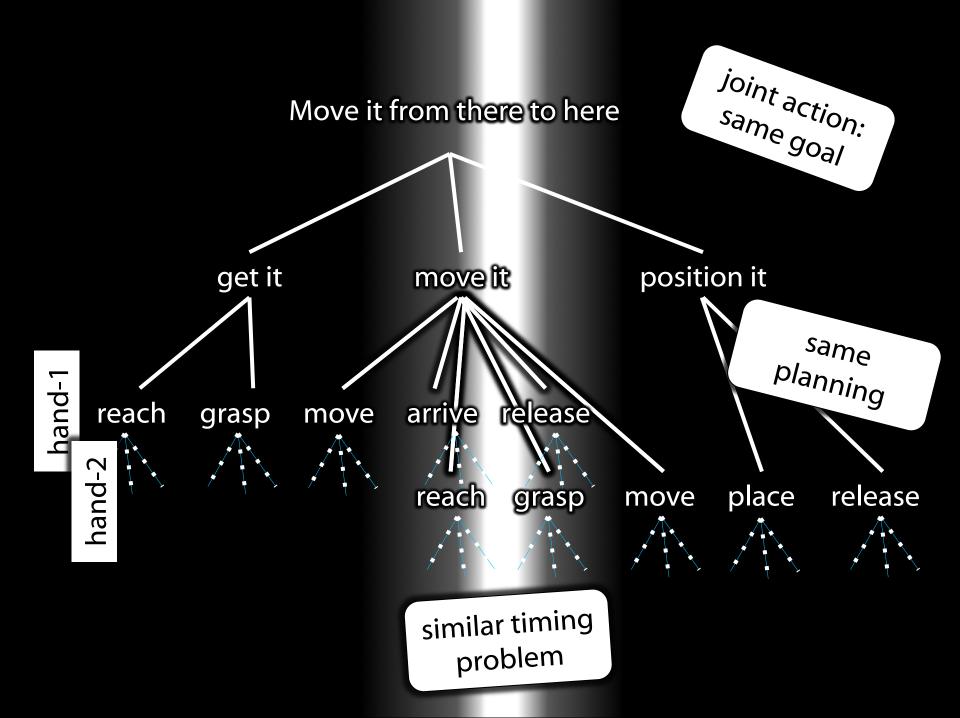


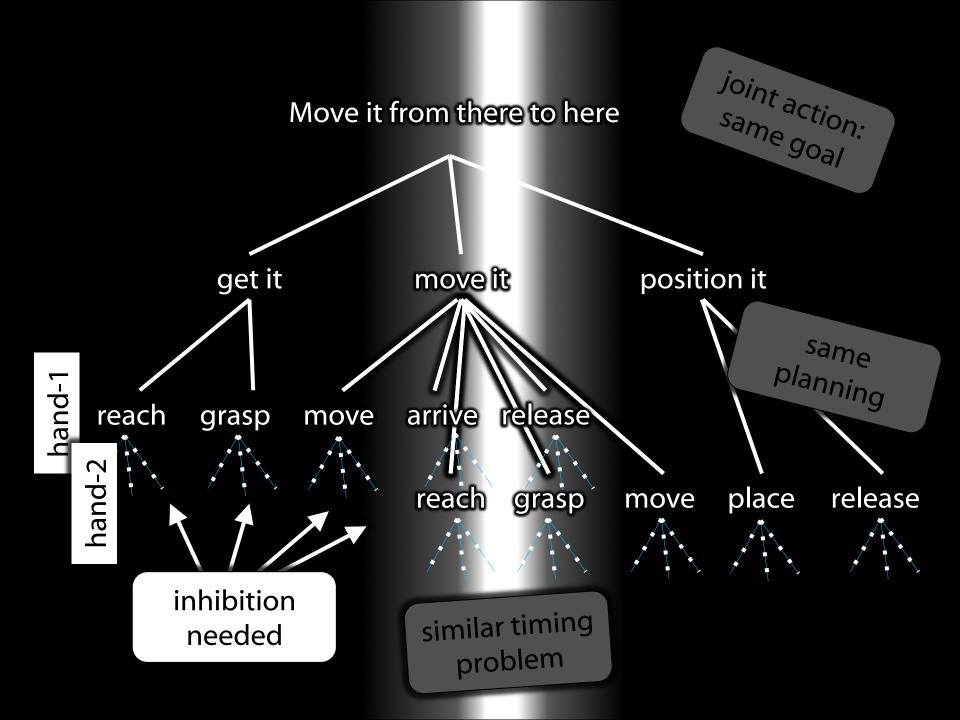
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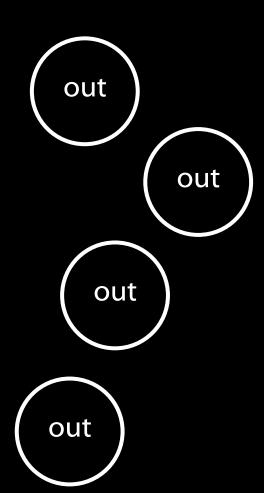


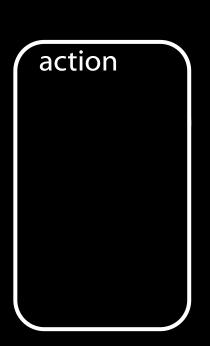


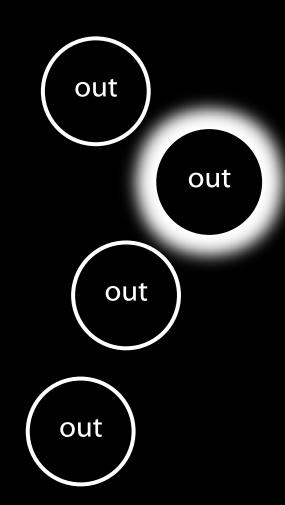


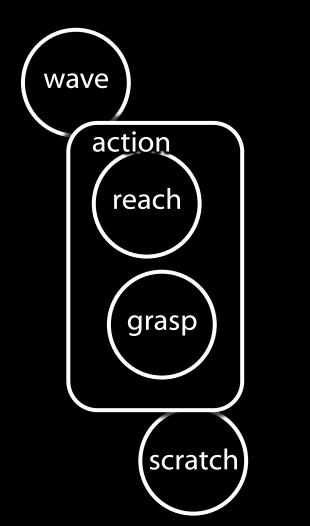


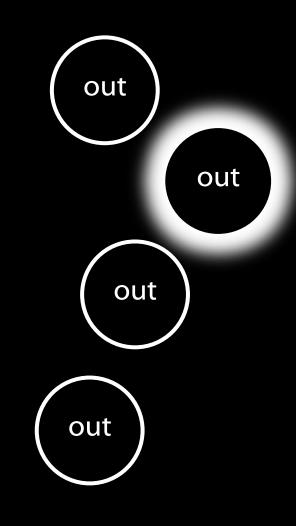


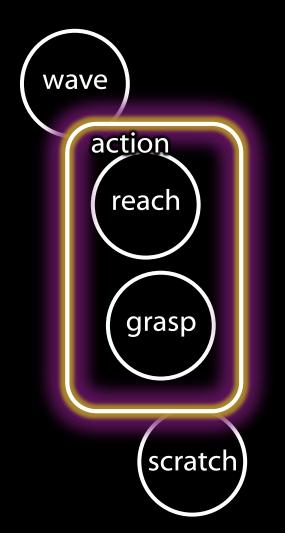


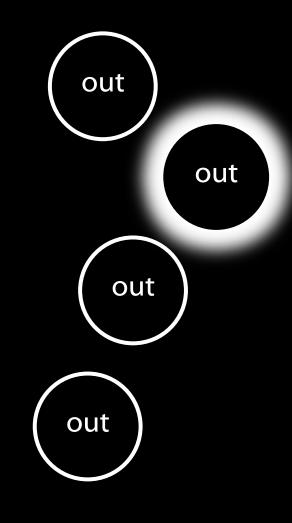


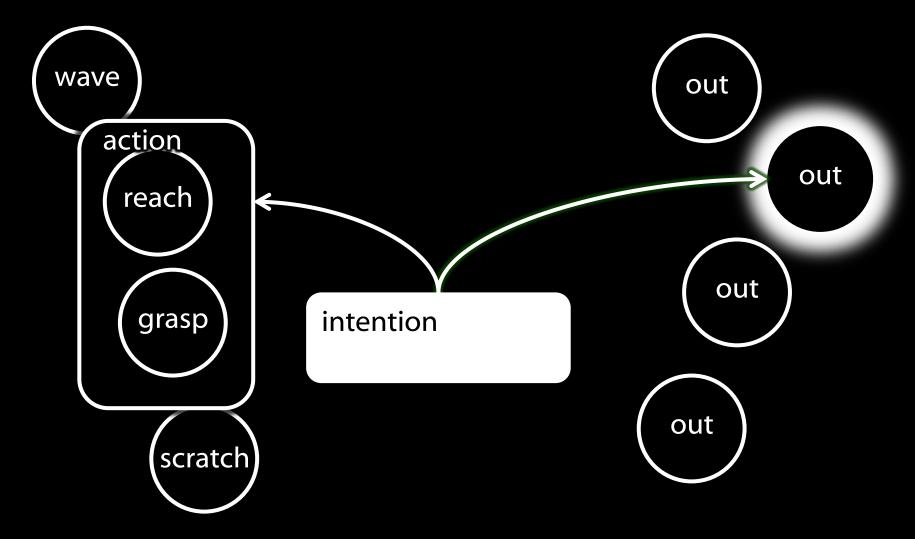


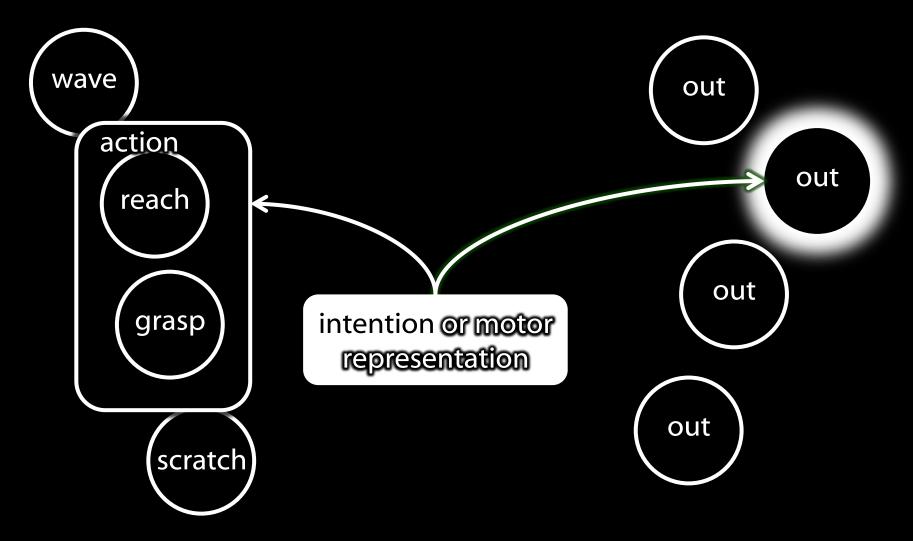


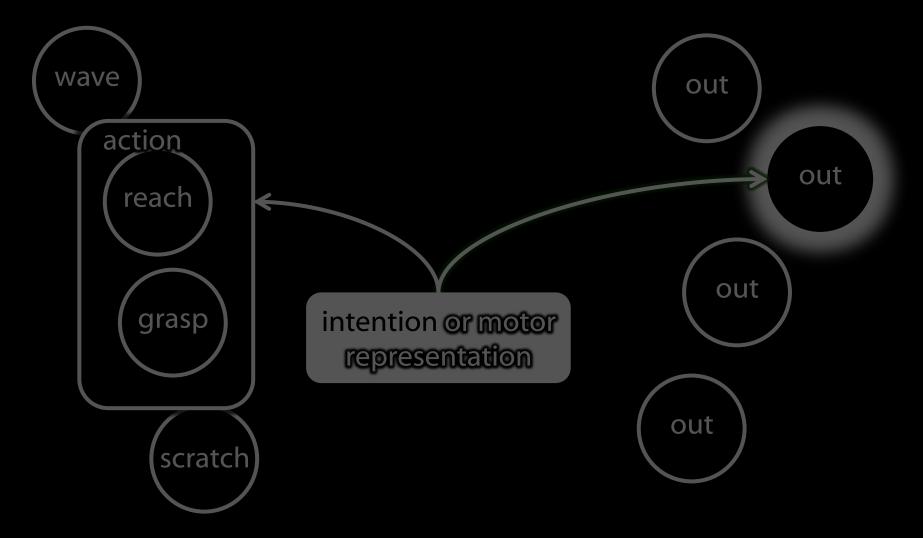


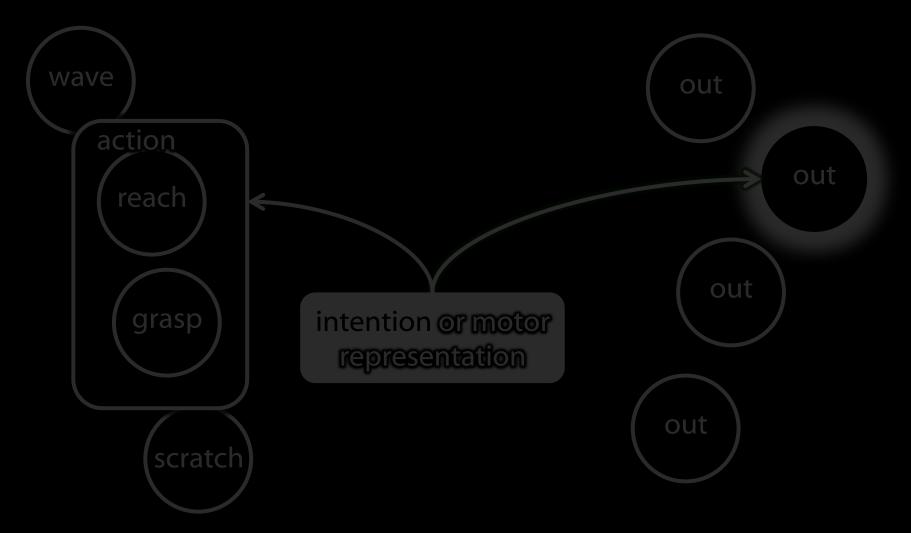




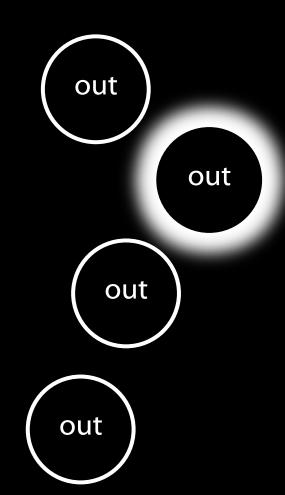


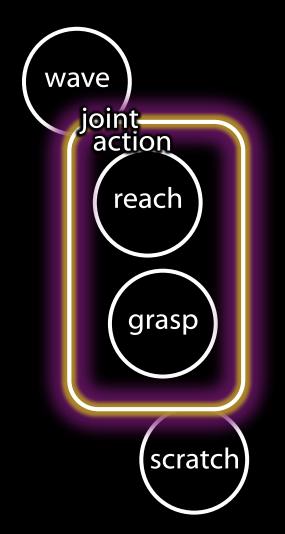


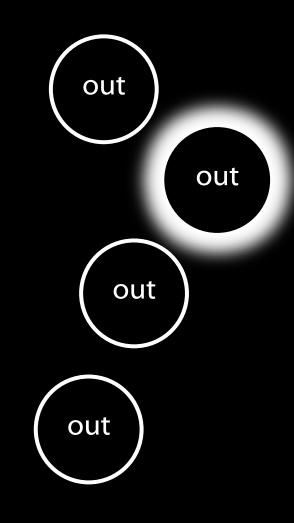


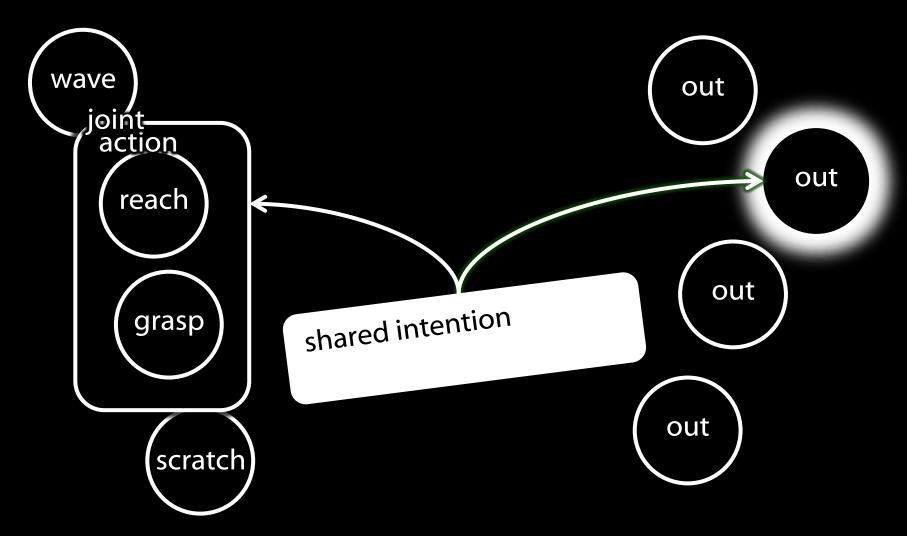


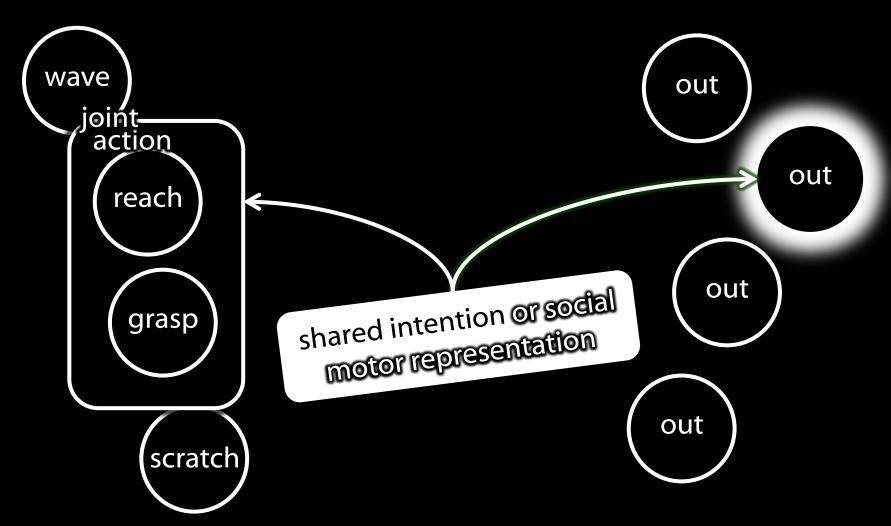




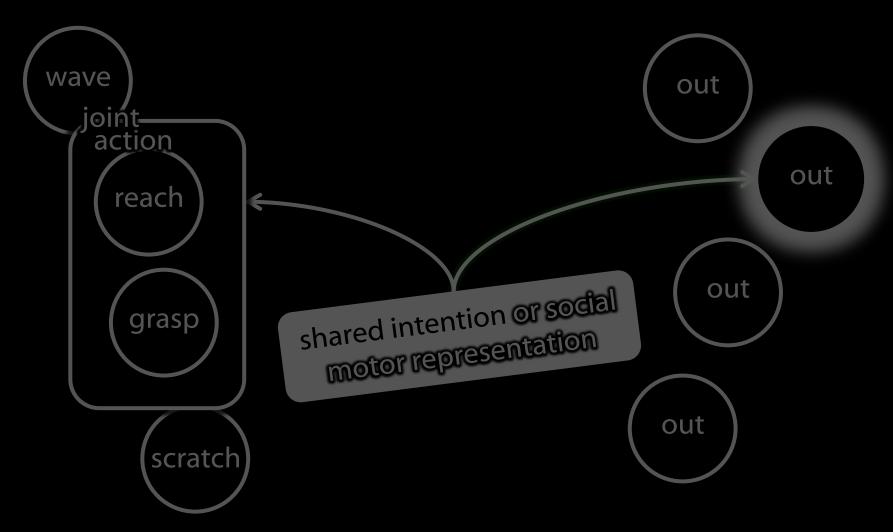








joint What is the relation between a purposive action and the outcome or outcomes to which it is directed?





We have a shared intention that we J if

"1. (a) I intend that we J and (b) you intend that we J

"2.I intend that we J in accordance with and because of la, lb, and meshing subplans of la and lb; you intend [likewise] ...

"3.1 and 2 are common knowledge between us"

(Bratman 1993: View 4)

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premise:

Reciprocal agent-neutral motor representation sometimes enables joint action

question:

Does reciprocal agentneutral motor representation also play a role in explaining what joint action is? [Yes]

challenge:

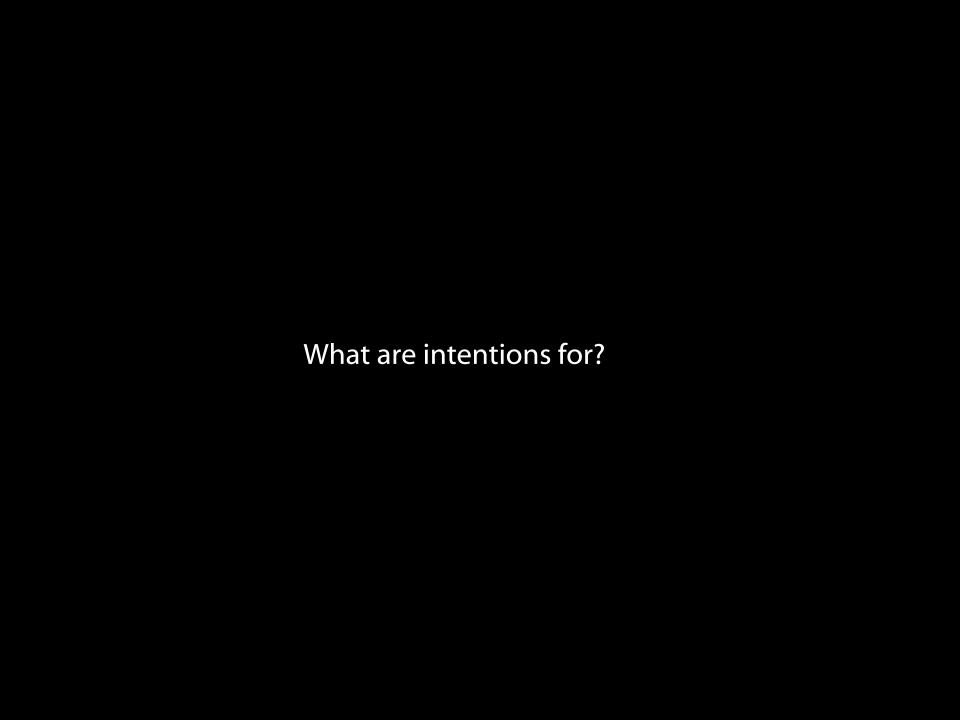
How could social motor representation and shared intention harmoniously contribute to joint action?

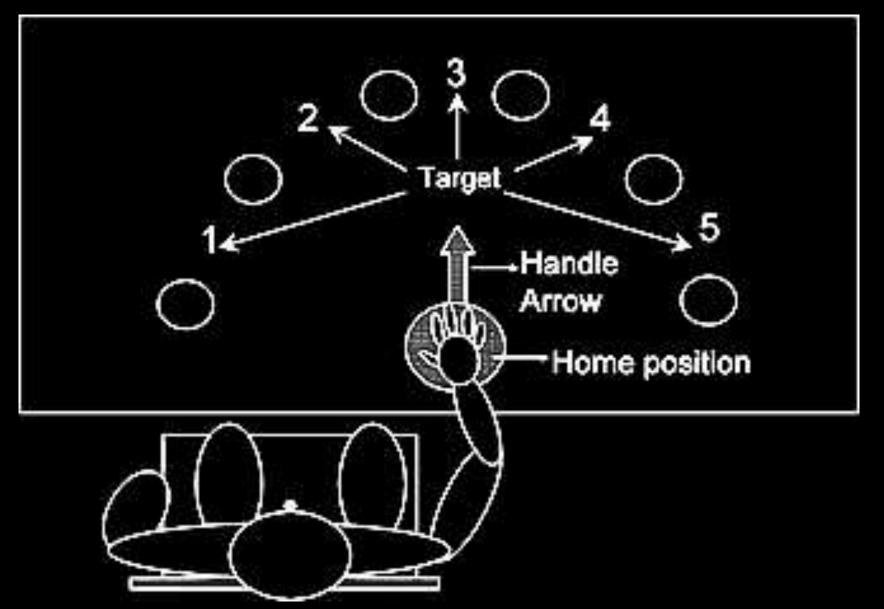
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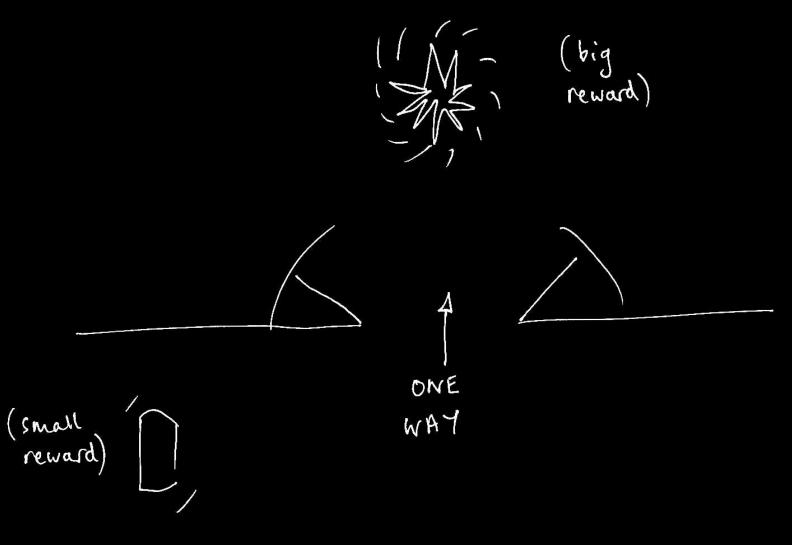
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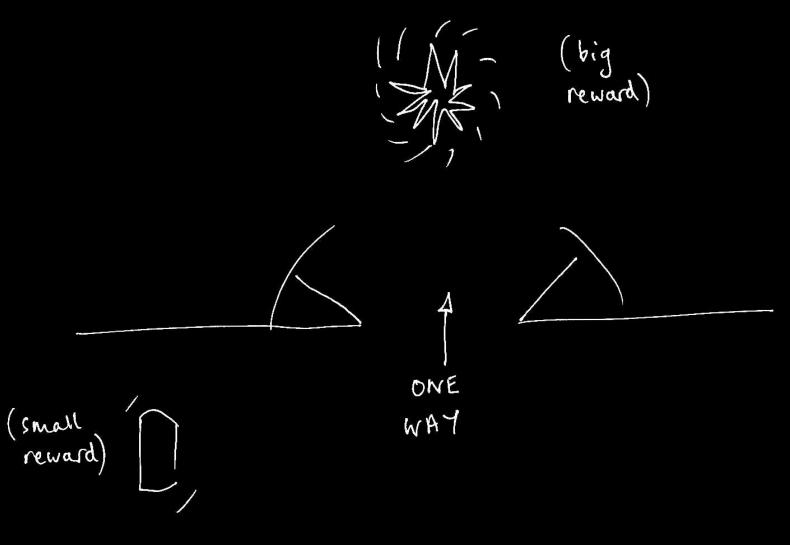


(Zhang and Rosenbaum 2007)



x start here

What are intentions for?



x start here



moving an object together
(Kourtis et al 2010)

tidying up the toys together
(Behne et al 2005)

cooperatively pulling handles in sequence to make a dog-puppet sing

(Brownell et al 2006)

bouncing a cube on a large trampoline together

(Tomasello & Carpenter 2007)

WA-

ON

pretending to row a boat together



start here

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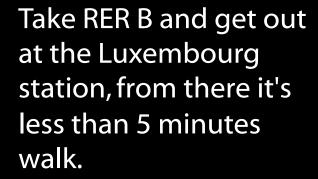
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< different content >





Head southeast on Rue Cujas toward Rue Victor Cousin. Turn right onto Rue Saint-Jacques....







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Any two intentions can be inferentially integrated in practical reasoning.

My intention that I visit Paris on Friday is a propositional attitude.

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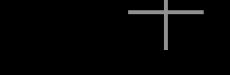
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ii. ground the purposiveness of some joint actions

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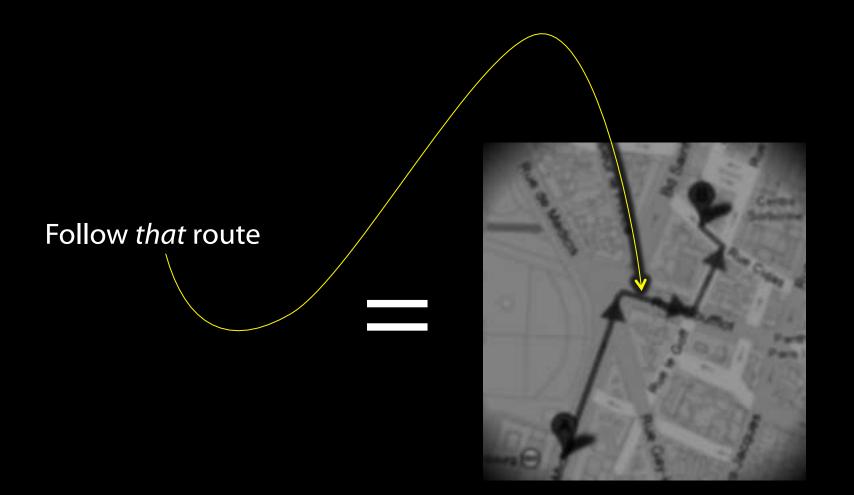
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Follow that route





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