

Cognitive modelling of conversational behaviour

- ...
- Psychology
- Sociology
- Institution
- Relevance
- Semantics
- Syntax
- Morphology
- Lexicon
- Phonology
- ...



A problem-centred approach

Problem: donors' anonymity

L- I don't understand. They should mix all the sperms, there would be no problem.

B- But no, otherwise children in the same family would not have the same father.

Any argumentative discussion starts with a contradiction

☀ Retrouver un contexte

« Il y a de l'eau »

"There's water there." ☉ ...

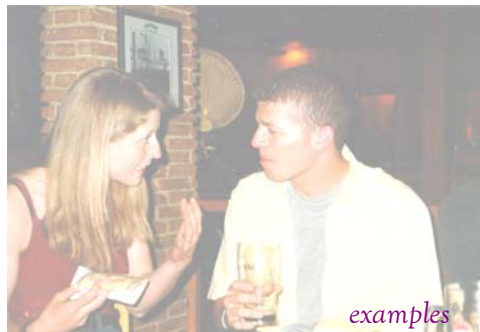
People imagine
a problematic context
to make the utterance
relevant.

A problem-centred approach to argumentation

☀ Individuals discuss...

- ☉ epistemic issues
- ☉ epithymic issues

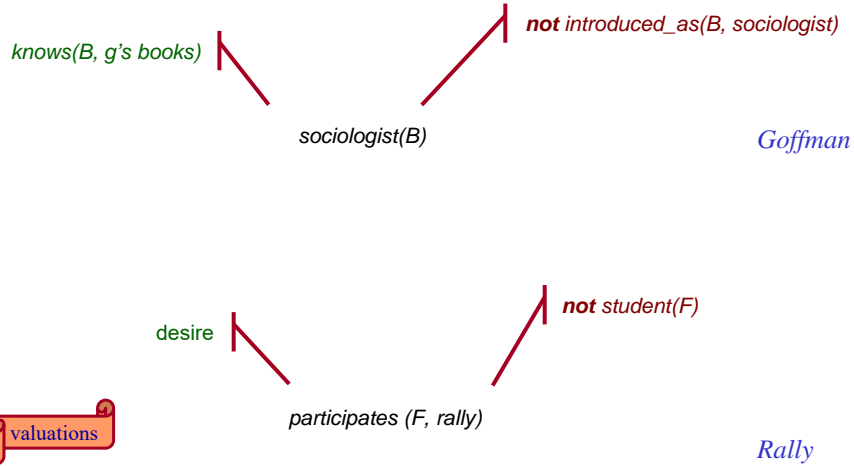
ἐπιθυμέω



examples

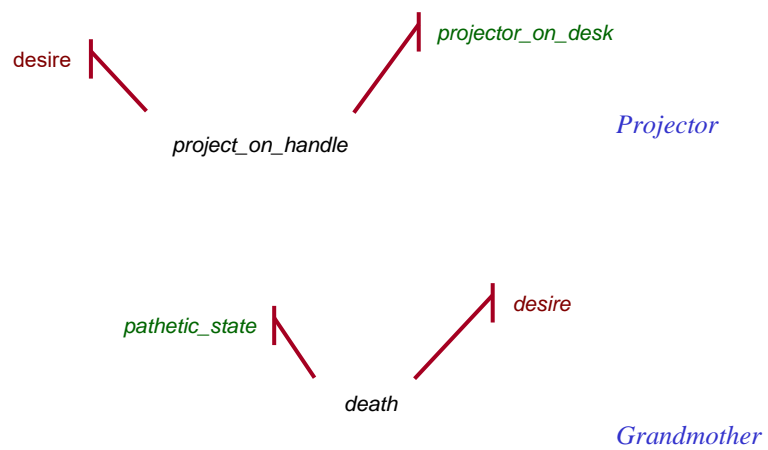
Cognitive conflict

epistemic

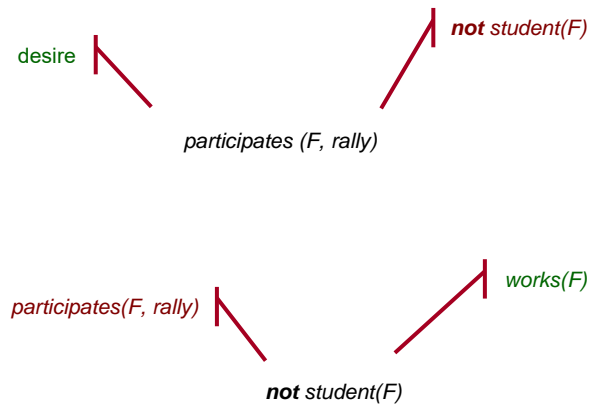


Cognitive conflict

epithymic

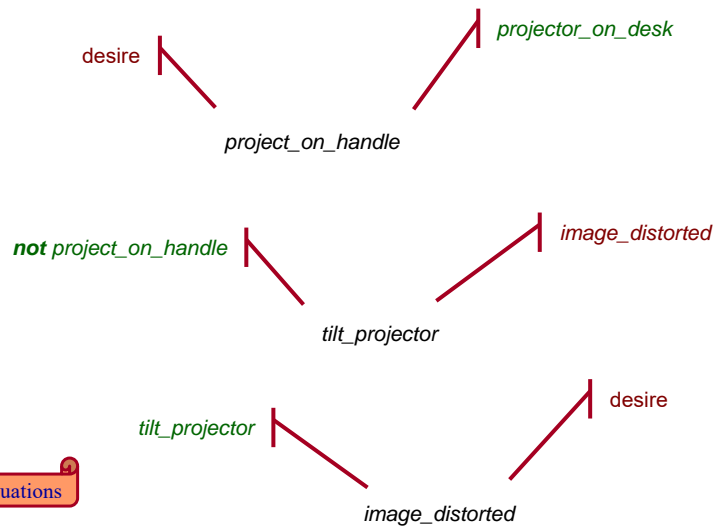


Propagation



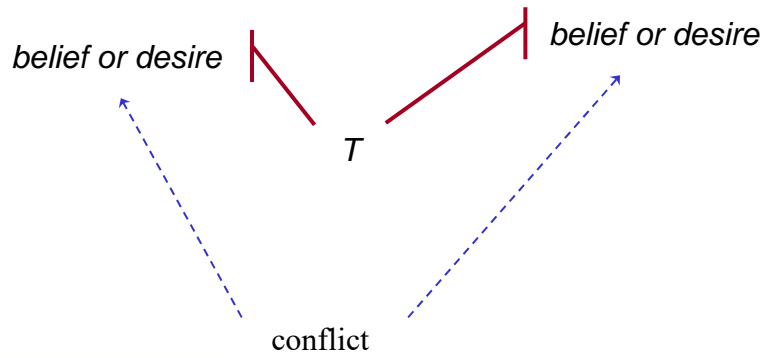
Rally

Propagation



Projector

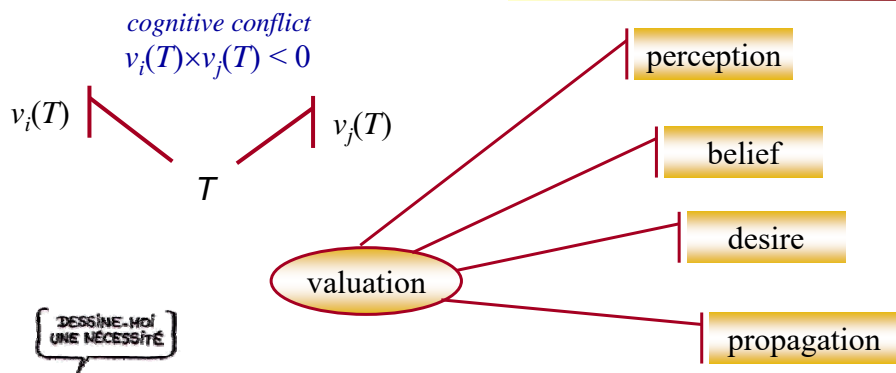
Cognitive conflict



Attitudes are not treated
as modalities,
but as valuations

cf. BDI
(belief-desire-intention)
architectures

Valuations



$$I = \min(|v_i(T)|, |v_j(T)|)$$

argumentative tension

$$v_i(\neg T) = -v_i(T)$$