

Handling information from different dimensions

– with special attention on gesture vs. speech –

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dimensions of meaning

- Conveyed information can be of different status
- Pieces of information of different status stem from only one channel, i.e. speech
 - at-issue/non-at-issue debate
(Grice 1975, Potts 2005, Anderbois et al. 2015, Koev 2013, ...)
- Or from different channels, i.e. gesture vs. speech
 - Information status of gesture information
(Ebert & Ebert 2014, Ebert 2017, Schlenker 2016, Schlenker t.a., Esipova 2017)

general view

- whenever there are pieces of information from different dimensions or channels, they compete for the at-issue status
- there are certain defaults, but these can be overridden
- there are operators and other systematic means to shift information from one dimension to the other

preview

- appositives are generally not-at-issue
- the status of gestures depends on their temporal alignment with speech (i.e. availability of a competitor)
 - stand-alone gesture → at-issue
 - co-speech gesture → not-at-issue
- certain **dimension shifters** (such as demonstratives and mimics) explicitly make not-at-issue information at-issue
- dimension shifting is meaningful and results in semantically distinguishable readings; this accounts for the semantics of demonstratives and the attributive-referential distinction

classical case: two dimensions within speech

- Core phenomena:

1. **expressives** like *damn* (or 'mixed items' like *cur*)

*Jessica brought her **damn** dog with her.*

2. **supplements** like appositive relative clauses (ARCS) or appositive NPs (NAs)

*Lance Armstrong, **who was a world class cyclist**, started his career at the age of 12. (ARC)*

*Lance Armstrong, **a world class cyclist**, started his career at the age of 12. (NA)*

- bring in information that is not at issue at the time of utterance, but sneaked in as 'secondary' information
- information is not for disposition, non-negotiable

properties of non-at-issue material

- Non-at-issue material does not enter truth conditions as straight-forwardly as at-issue material (Potts 2005)
 - Truth value not influenced by false non-at-issue material
 - material cannot be denied directly in discourse
- Non-at-issue material projects (Potts 2005)
 - it cannot be the target of modal operators like negation
- Non-at-issue material can be ignored in ellipsis (Potts et al. 2009)

appositives

at-issue and non-at-issue interpretations

direct denial

to appositive

Lance Armstrong, a world class cyclist, started his career at the age of 12.

Direct denial response:

#That's not true! He wasn't a world class cyclist, he was a world class trumpeter.

Discourse interrupting protest:

Hey, wait a minute! He actually he was a world class trumpeter, not a cyclist.

to main clause VP

Lance Armstrong, a world class cyclist, started his career at the age of 12.

Direct denial response:

That's not true! He started his career at the age of 16.

projection

with appositive

It is not true that Lance Armstrong, a world class cyclist, started his career at the age of 12.

Negation elaboration:

#He was a world class trumpeter.

with main clause VP

It is not true that Lance Armstrong, a world class cyclist, started his career at the age of 12.

Negation elaboration:

He started with about 16.

ellipsis

- Expressive content can be ignored under ellipsis (Potts et al. 2009)

A: *I saw your f***ing dog in the park.*

B: *No, you didn't — you couldn't have. The poor thing passed away last week.*

- Holds also for appositive content:

A: *I met Peter, the best trumpeter in town, for lunch.*

B: *Last week, I did, too. – But I don't think, he is such a great trumpeter.*

at-issue appositives

- But some appositives *can* apparently be at-issue
(AnderBois et al. 2015; Koev 2013; Syrett & Koev 2014)
- Direct denial is possible with sentence-final ARCs

A: *He took care of his husband, who had prostate cancer.*

B: *No, he had lung cancer.*

A: *His husband, who had prostate cancer, was being treated at the Dominican Hospital.*

B: *??No, he had lung cancer.*

at-issue appositives

- Some appositives seem to be interpretable in the scope of modal operators, i.e. they do not project (Wang et al. 2006; Nouwen 2014)
- Appositive *one*-modifiers (a subtype of NAs) often do not project:

If a professor, a famous one, publishes a book, he will make a lot of money.

Mary wants to marry an Italian, a rich one.

at-issue appositives

Question: why are appositives at-issue in these cases?

- AnderBois et al. 2015:

appositives enjoy a “broader range of possible interpretations, behaving in many respects as though they were conjunctions rather than true appositives”

- Syrett & Koev 2014:

*“we propose to account for the shifting status of ARCs [...] by assuming that ARCs can **compete** with main clauses for at-issue status (that is, either is in principle a candidate for at-issue status), and by relating the ordering of the appositive assertion and the main clause assertion to the overall flow of discourse” (my emphasis)*

at-issue appositives

- Syrett & Koev (2014):
 - all appositives (both NAs and ARCs) and main clauses introduce independent assertions
 - in principle, either can be at issue – they compete
 - the proposition that is processed last is at issue
 - ARCs can be attached to either the anchor or the root node
 - recency of assertion exerts an effect on its at-issue status

the symphony hired my friend [DP Sophie [CP who is a classical violinist]]

[CP₁ the symphony hired my friend Sophie] [CP₂ who is a classical violinist]

at-issue appositives

- Koev (2013) hypothesizes that *one*-"appositives" are in fact not appositive constructions but a special kind of restricting modifier (cf. Nouwen 2014).

gradual at-issueness

competition for information status

gradual at-issueness

- A new thought on competition: **gradual at-issueness**

*"The more stand-alone a piece of information,
the more likely it is at-issue."*

- Supposed to include information from different channels, i.e. speech, gesture, mimics, ...
- Emphasizes aspects of temporal occurrence
- Occurrence at right periphery & finiteness are "stand-alone" features for appositives

gradual at-issueness

Denial Examples (response: *Nein, DER hieß LOUIS Armstrong!*)

- completely out:

Lance Armstrong, der virtuose Trompeter, hatte Hodenkrebs.

*Lance Armstrong, der ein virtuoser Trompeter **war**, hatte Hodenkrebs.*

- better:

Zu den Prominenten, die an Hodenkrebs erkrankten, gehörte zum Beispiel auch Lance Armstrong, der virtuose Trompeter.

- even better:

*Zu den Prominenten, die an Hodenkrebs erkrankten, gehörte zum Beispiel auch Lance Armstrong, der ein virtuoser Trompeter **war**.*

gradual at-issueness (engl)

Denial Examples (response: *No, HE was called LOUIS Armstrong!*)

- completely out:

Lance Armstrong, the virtuosic trumpeter, suffered from prostate cancer.

*Lance Armstrong, who **was** a virtuosic trumpeter, suffered from prostate cancer.*

- better:

Among the celebrities who suffered from prostate cancer we also find Lance Armstrong, the virtuosic trumpeter.

- even better:

*Among the celebrities who suffered from prostate cancer we also find Lance Armstrong, who **was** a virtuosic trumpeter.*

gradual at-issueness

Ellipsis Examples (follow-up: *Peter auch – allerdings mit dem Flugzeug.*)

■ ok:

Paul fliegt heute, übrigens mit dem Hubschrauber, nach Wien.

■ worse:

Paul ist heute nach Wien geflogen, übrigens mit dem Hubschrauber.

■ even worse:

*Paul ist heute nach Wien geflogen, übrigens **ist** er mit dem Hubschrauber geflogen.*

gradual at-issueness (engl)

Ellipsis Examples (follow-up: *Peter, too – but he will fly by plain .*)

■ ok:

Paul will fly, by helicopter by the way, to Vienna.

■ worse:

Paul will fly to Vienna, by helicopter by the way.

■ even worse:

Paul will fly to Vienna, he will fly by helicopter by the way.

gradual at-issueness

Showing the same with gestures instead of appositives

gradual at-issueness

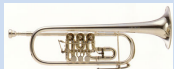
Denial Examples (response: *Nein, DER hieß LOUIS Armstrong!*)

- completely out: *[Lance Armstrong] hatte Hodenkrebs.*



- slightly better (?):

Zu den Prominenten, die an Hodenkrebs erkrankten, gehörte zum Beispiel auch [Lance Armstrong].



- even better:

Zu den Prominenten, die an Hodenkrebs erkrankten, gehörte zum Beispiel auch Lance Armstrong.



- and even better:

Zu den Prominenten, die an Hodenkrebs erkrankten, gehörte zum Beispiel auch Lance Armstrong. [...pause...]



gradual at-issueness (engl)

Denial Examples (response: *No, HE was called LOUIS Armstrong!*)

- completely out: *[Lance Armstrong] suffered from prostate cancer.*



- slightly better (?):

Among the celebrities who suffered from prostate cancer we also find

[Lance Armstrong].



- even better:

Among the celebrities who suffered from prostate cancer we also find Lance Armstrong.



- and even better:

Among the celebrities who suffered from prostate cancer we also find Lance Armstrong. [...pause...]



gradual at-issueneess: ellipsis

Ellipsis examples (follow-up: *Das Flugzeug auch.*)

- ok:

Der Hubschrauber [startet] gleich.



- slightly worse (?):

Der Hubschrauber ist schon [gestartet].



- even worse:

Der Hubschrauber ist schon gestartet.



- even worse (?):

Der Hubschrauber ist schon gestartet. [pause]



gradual at-issueneess: ellipsis (engl)

Ellipsis examples (follow-up: *The plane, too.*)

- ok:

The helicopter will [take off] soon.



- slightly worse (?):

The helicopter already [took off].



- even worse:

The helicopter already took off.



- even worse (?):

The helicopter already took off. [pause]



gradual at-issueness

- Gradual at-issueness:

*"The more stand-alone a piece of information,
the more likely it is at-issue."*

- Emphasizes aspects of temporal alignment:

- Temporal coincidence → strong competition
→ clear at-issue/non-at-issue distribution
- Temporal proximity → facultative competition

- In this view:

a sentence-medial appositive "occurs" at the same time as its anchor, like a simultaneous gesture ('comma' intonation).

gestures

at-issue and non-at-issue interpretations

gesture types

- Gesture:
communicative movements of hands and arms
transporting emotions, intentions, and thoughts
- Types of Gestures:
 - Iconic gestures
 - Pointing gestures
 - Emblematic gestures
 - Metaphoric gestures
 - Regulators
 - Beats

gesture types

with respect to temporal alignment with speech



pre-speech

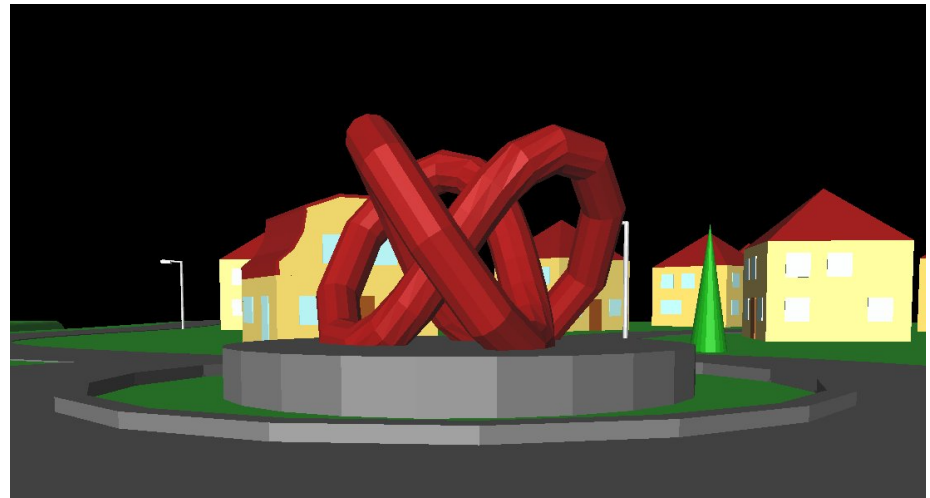
pro-speech

co-speech

post-speech

the SaGA copus

- Bielefeld Speech-and-Gesture-Alignment (SaGA) corpus of project B1 *Speech-gesture-alignment* of the SFB 673 *Alignment in Communication* (Lücking et. al 2013)



co-speech gesture



*It is on a [grey base made of concrete]^{+ic-g}.
Three meters high. And on it, there are [red tubes]^{+ic-g}.*

co-speech gesture

- Gesture information adds semantic content to the utterance
- 'Gesture and speech work together to convey one thought' (cf. McNeill 1992, Kendon 1980)

post-speech gesture



With one round tower. []^{+ic-g} With one round...

post-speech gesture



Such a curve. []^{+ic-g} [I went along there]^{+ic-g}.

pre-speech gesture



More specifically, [on the righthandside, there will be (such) a pillar]^{+ic-g}. It doesn't fit the townscape at all.

pro-speech gesture

- We also find pro-speech gestures (Ladewig 2012, Ebert 2014, Schlenker & Chemla 2016, Schlenker 2017)

A: Have you met Paul recently?

B: (shakes head)

Can you pass me the [iconic 'shape' gesture]?

Yesterday, we went [].

co- vs. pro-speech gestures

Literature:

- Schlenker & Chemla (2016) show that co-speech gestures can be ignored under ellipsis, which sets them apart from pro-speech gestures



a. This helicopter will soon [take off], and this plane will too.



b. #This helicopter will soon TAKE-OFF-ROTATING_ , and this plane will too.

- co-speech-gestures are usually not at issue (Ebert & Ebert 2014, Schlenker 2016), pro-speech gestures are usually at issue (Ebert 2014, Schlenker & Chemla 2016, Schlenker t.a., cf. Ladewig 2012).
- fits the idea of gradual at-issueness

temporal alignment and at-issueness



pre-speech

pro-speech

co-speech

post-speech

at issue
(?)

at-issue

not at-issue

more distant
→ more likely to
be at-issue

co-speech gestures

2 views

meaning of co-speech gestures

I brought [a bottle of water] to the talk.



Conveys roughly the same meaning as:

Cornelia brought a big bottle of water to the talk.

contribution of gesture vs. speech

I brought [a bottle of water] to the talk.



At-issue: semantic content of the speech signal

The speaker brought a bottle of water to the talk

Non-at-issue: 'semantic content' of the gesture (roughly):

The bottle is big

2 views

- Gestures contribute non-at-issue information by default

Ebert & Ebert 2014:

- co-speech gestures behave **like appositives**, which are not at-issue (e.g. Potts 2005)
- Formal approach fleshed out on basis of AnderBois et al.'s (2015) approach to appositives

Schlenker 2016:

- co-speech gestures behave **like a special kind of presupposition**, i.e. like cosuppositions

Ebert & Ebert 2014

co-speech gestures are like appositives: direct denial

speech & gesture

I brought [a bottle of water].



Direct denial response:

#That's not true! You actually brought a small bottle.

Discourse interrupting protest:

Hey, wait a minute! Actually, the bottle is not as big.

speech only

I brought a big bottle of water.

Direct denial response:

That's not true! You actually brought a small bottle.

Ebert & Ebert 2014

co-speech gestures are like appositives: projection

speech & gesture

I did not bring [a bottle of water] to the talk.



Negation elaboration:

#A small one is enough for me.

speech only

I did not bring a big bottle of water to the talk.

Negation elaboration:

A small one is enough for me.

Schlenker 2016

- argues that co-speech gestures do not behave like supplements, but rather like a special kind of presupposition, i.e. like *cosuppositions*
- An expression p with a co-occurring gesture with content g comes with the requirement that it holds that p entails g

a. *John [helped] his son.*



entails:

John helped his son by lifting him.

b. *John didn't [help] his son.*



entail:

If John (had) helped his son,
he would have done so by lifting him.

c. *Did John [help] his son?*





Schlenker vs. Ebert & Ebert


- Presuppositions carry old, appositives new information by default
- Gestures should contribute old information in Schlenker's approach and new information in Ebert & Ebert's in the general case
- Kendon (1980), Lücking (2013): gestures can never be redundant because they are concrete – they always add something

Schlenker vs. Ebert & Ebert

- Some discussion in Schlenker (2016)

Yesterday John bought (i) LARGE_  [a bottle of beer]. / (ii) a bottle of beer, which was LARGE_  **this** large. I thought he'd drink it over dinner last night. But this morning, he brought

a. (#) LARGE_  [his bottle of beer] to the workshop!

b. (#) his bottle of beer, which was LARGE_  **this** large, to the workshop!

- Co-speech gesture seem at least degraded when they carry old content

Schlenker vs. Ebert & Ebert

- In positive environments, same entailment in Ebert & Ebert's (2014) and Schlenker's (2016) approach.

I brought [a bottle of beer].



Asserted: Cornelia brought a bottle of beer.

Presupposed: If Cornelia brought a bottle it was a big bottle.

Entailed: Cornelia brought a big bottle of water.

Schlenker vs. Ebert & Ebert

- Schlenker (2016): in negative environments, co-speech gestures also receive a presuppositional interpretation.

I did not bring [a bottle of beer].



Asserted: Cornelia did not bring a bottle of beer

Presupposed: If Cornelia had brought a bottle it would have been a big bottle

- Ebert & Ebert (2014): odd or interpreted as the gesture associating with the NP (concept-related reading): the speaker takes beer bottles to be that big by default

Schlenker vs. Ebert & Ebert

- Further differences :

It is unlikely that Cornelia will bring [a bottle of beer].



Asserted: It is unlikely that Cornelia will bring a bottle of beer

Presupposed: When Cornelia brings a bottle of beer, it is usually a big bottle

No linguist will bring [a bottle of beer].



Asserted: No linguist will bring a bottle of beer

Presupposed: When a linguist brings a bottle of beer, it is usually a big bottle

Schlenker vs. Ebert & Ebert

- Schlenker (2016): At-issue readings are derivable via local accommodation, because they are weak triggers, but in particular in contrastive contexts (cf. Esipova 2017)

I did not bring [a bottle] , I brought [a bottle].



small

Schlenker vs. Ebert & Ebert

- Ebert & Ebert (2014): at-issue readings are generally not possible (cf. projection with negation)...
- ... EXCEPT with certain mimics (raising eyebrows, ...) and an eye-catching gesture

I did not bring [a bottle] , I brought [a bottle].



Schlenker vs. Ebert & Ebert

Schlenker (2016):

1. co-speech gestures are ok also in downward-entailing contexts and trigger a conditional interpretation
2. at-issue readings are generally available whenever local accommodation is possible

Ebert & Ebert (2014):

1. co-speech gestures are degraded in downward-entailing contexts; sometimes concept-related reading with just the NP is possible
2. at-issue readings are generally not available, only with very special means that make the gesture at-issue

post-speech gestures

2 views

Schlenker 2016

- co-speech gestures receive a presuppositional interpretation and post-speech gestures a supplemental one

co-speech:

Some philosopher brought [a bottle of beer].



↪ cosupposition: *some philosopher brought a big bottle of beer*

post-speech:

Some philosopher brought a bottle of beer.



↪ supplement: *some philosopher brought a bottle of beer, which was big.*

Schlenker 2016

- co-speech gestures receive a presuppositional interpretation and post-speech gestures a supplemental one

co-speech:

No philosopher brought [a bottle of beer].



↪ cosupposition: *if a philosopher brings a big bottle of beer,*

it will be big.

post-speech:

#No philosopher brought a bottle of beer.



↪ supplement: *#No philosopher brought a bottle of beer, which was big.*

an alternative proposal

- co-speech gestures receive a supplemental interpretation (Ebert & Ebert 2014)
- in the spirit of gradual at-issueness, post-speech gestures can
 - either behave like co-speech gestures (supplements)
 - not at-issue
 - function like (right-dislocated) appositives
 - or like stand-alone pro-speech gestures (independent assertions)
 - at-issue
 - serve to clarify a property of the speech DR
(cf. Averitseva-Klisch's view on afterthoughts: clarify reference)

an alternative proposal

co-speech:

Some philosopher brought [a bottle of beer].



↪ supplement: *some philosopher brought a bottle of beer, which was big.*

post-speech:

Some philosopher brought a bottle of beer.



↪ supplement: *Some philosopher brought a bottle of beer, which was big.*

↪ assertion: *Some philosopher brought a bottle of beer, This bottle was big.*

an alternative proposal

co-speech:

#No philosopher brought [a bottle of beer].



↪ supplement: #No philosopher brought a bottle of beer,
which was big

post-speech:

#No philosopher brought a bottle of beer.



↪ supplement: #No philosopher brought a bottle of beer,
which was big

↪ assertion: #No philosopher brought a bottle of beer.
This bottle was big.

an alternative proposal

- Complex example where anaphoric reference is possible (although it shouldn't be 😊):

It's not true that no philosopher brought a bottle of beer.

It was / they were quite large, in fact.

- Also the post-speech gesture gets better in such contexts:

It's not true that no philosopher brought a bottle of beer .



Thanks to Philippe Schlenker (p.c.) for providing me with this example.

further evidence

- co-speech gesture not-at-issue:

A: *Maria hatte angekündigt, sich wertvollen Schmuck kaufen zu wollen. Und heute habe ich sie tatsächlich mit [einem teuren Teil] herumlaufen sehen.*



B: *#Nein, das kann nicht sein! Halsketten findet sie spießig!*

- post-speech gesture at-issue:

A: *Maria hatte angekündigt, sich wertvollen Schmuck kaufen zu wollen. Und heute habe ich sie tatsächlich mit einem teuren Teil herumlaufen sehen.*



B: *Nein, das kann nicht sein! Halsketten findet sie spießig!*

further evidence (engl.)

- co-speech gesture not-at-issue:

A: *Maria announced that she wanted to buy expensive jewelry. And today I actually saw her [with a fancy piece] running around in town.*



B: *#No, that is not possible! She hates necklets.*

- post-speech gesture at-issue:

A: *Maria announced that she wanted to buy expensive jewelry. And today I actually saw her [with a fancy piece] running around in town.*

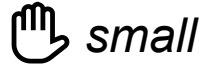


B: *No, that is not possible! She hates necklets.*

further evidence

- co-speech gesture inevitably projects:

Ich habe mir [einen Hund] zugelegt.



#Ich möchte mir [einen Hund] zulegen.

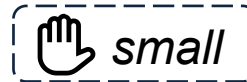


- post-speech gesture does not necessarily project:

Ich habe mir einen Hund zugelegt.



Ich möchte mir einen Hund zulegen.



- cf. one-appositives:


Ich habe mir einen Hund zugelegt, einen kleinen.

Ich möchte mir einen Hund zulegen, einen kleinen.


further evidence

- co-speech gesture inevitably projects:

Unser Haus hat Alufenster.



#Wenn ich Geld habe, möchte ich mir ein Haus mit Alufenstern kaufen.



- post-speech gesture does not necessarily project:

Unser Haus hat Alufenster.



Wenn ich Geld habe, möchte ich mir ein Haus mit Alufenstern kaufen.

- cf. one-appositives:


Unser Haus hat Alufenster, runde.


Wenn ich Geld habe, möchte ich mir ein Haus mit Alufenstern kaufen, mit runden.




further evidence (engl.)


- co-speech gesture inevitably projects:

I bought [a dog].
 *small*

#I want to buy [a dog].
 *small*

- post-speech gesture does not necessarily project:

I bought a dog.  *small*

I want to buy a dog.  *small*

- cf. *one*-appositives:

I bought a dog, a small one.

I want to buy a dog, a small one.

further evidence

- post-speech gestures are not possible in all configurations
- tentatively:
they are excluded whenever *one*-appositives would be excluded

#Ich würde mir niemals einen Hund zulegen.  *small*

#Ich würde mir niemals einen Hund zulegen.  *small*

- cf. *one*-appositives:

#Ich würde mir niemals einen Hund zulegen, einen kleinen.

#I would never buy a dog, a small one.

co- vs. post-speech gestures

co-speech gestures

post-speech gestures

Ebert & Ebert (2014),
this presentation

supplemental
(like appositives),
not-at-issue

supplemental
(like appositives),
not-at-issue
OR
asserted
(clarify some aspect
of the speech DR),
at-issue

Schlenker (2016)

presuppositional,
not-at-issue

supplemental
(like appositives),
not-at-issue

dimension shift & switch

demonstratives & the referential/attributive distinction

dimension shifters

Recall:

- Ebert & Ebert (2014): at-issue readings are generally not possible for co-speech gestures...
- ... EXCEPT with certain mimics (raising eyebrows, ...) and an eye-catching gesture

I did not bring [a bottle] , I brought [a bottle].



small

- mimics functions as **dimension-shifter**

dimension shifters

- there are means to influence the competition for at-issueness in communication
- they work as dimension-shifters that shift information from one (standardly assumed) dimension to another
- Examples non-at-issue → at-issue:
 - mimics – raising eyebrows, ...
 - demonstratives – *ein* vs. *so ein* and *the* vs. *this*
 - focus-marking/prosody/... ?
- Examples at-issue → non-at-issue:
 - 'comma' intonation

dimension shifters

Shifting effect of demonstrative *so*

speech & gesture

Ich bringe niemals

[eine Flasche Wasser] mit zu



Vorträgen.

*I never bring [a bottle of water]
to talks.*

Negation elaboration:

#Eine kleine reicht mir nämlich.

(A small one is enough for me.)

speech + *so* & gesture

Ich bringe niemals

[SO eine Flasche Wasser] mit zu



Vorträgen.

*I never bring [a bottle of water
like that] to talks.*

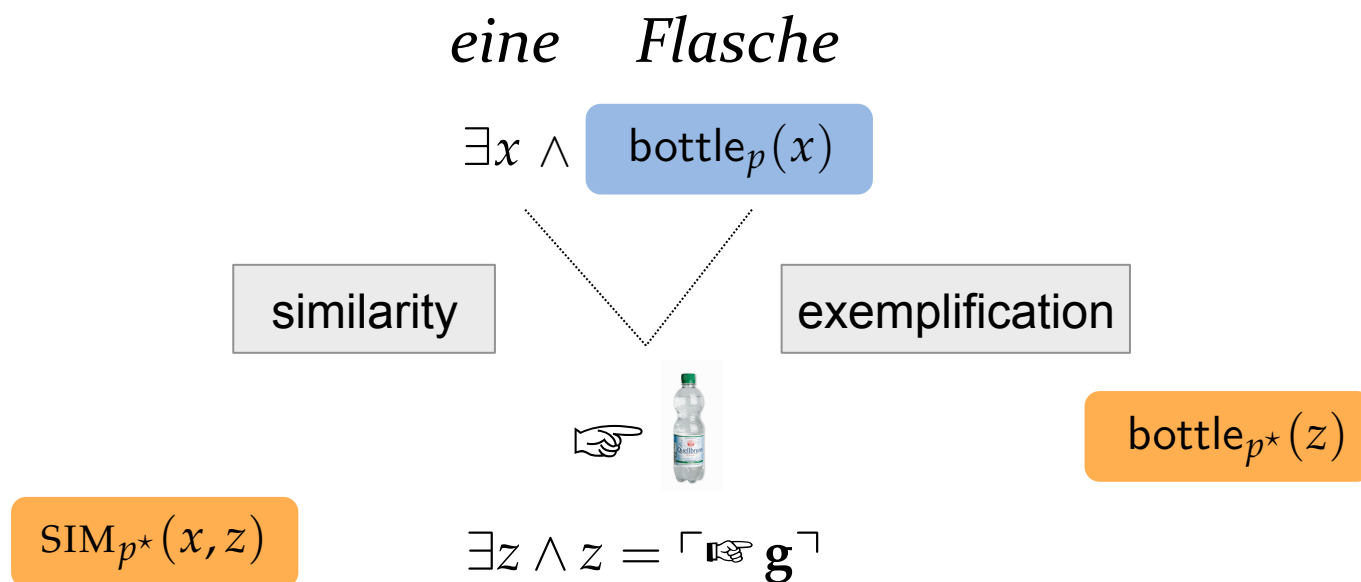
Negation elaboration:

Eine kleine reicht mir nämlich.

(A small one is enough for me.)

dimension shifters

Combined meaning contributions of speech and gesture
(Ebert & Ebert, 2014):

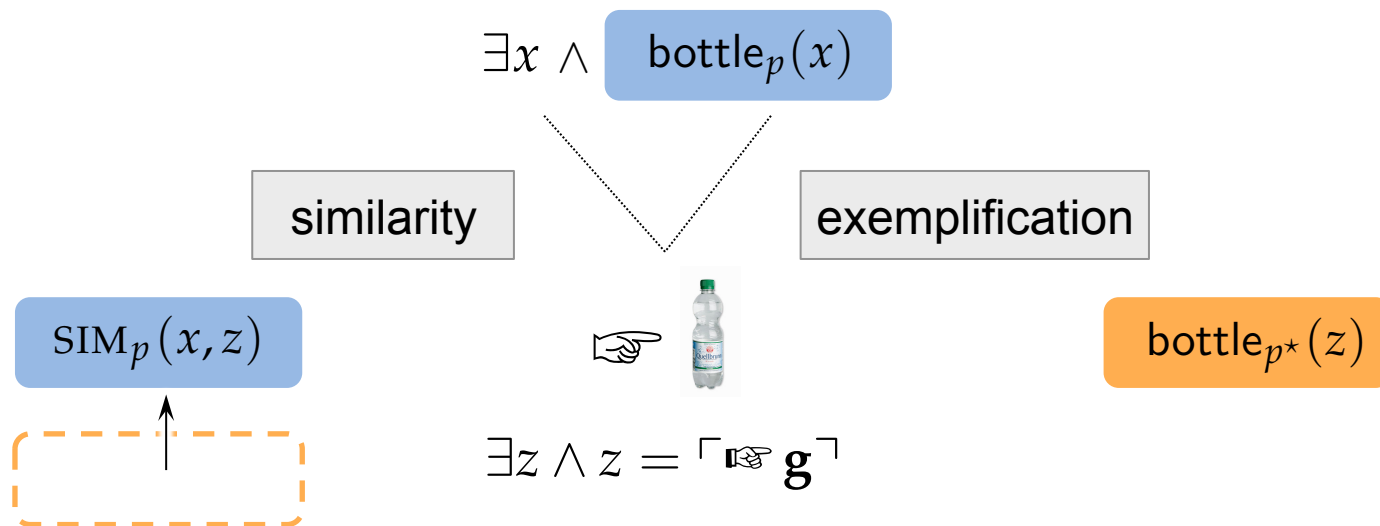


$$\exists z \wedge z = \lceil \text{point } g \rceil \wedge \exists x \wedge \text{bottle}_p(x) \wedge \text{SIM}_{p^*}(x, z) \wedge \text{bottle}_{p^*}(z)$$

dimension shifters

Combined meaning contributions of speech and gesture
(Ebert & Ebert, 2014):

SO eine Flasche



$$\exists z \wedge z = \lceil \text{pointing hand } g \rceil \wedge \exists x \wedge \text{bottle}_p(x) \wedge \text{SIM}_p(x, z) \wedge \text{bottle}_{p^*}(z)$$

dimension switching

Mistaken identity cases (speaker's/semantic reference)
(Kripke 1977 based on Linsky 1963)

Verbal concept at-issue/attributive interpretation/semantic referent:

A: *Her husband is kind to her.*

B: *No, he [= her husband] isn't.*

The man you are referring to isn't her husband. (Kripke 1977, p. 90)

husband_of_p(*x*, *y*)

~~$x =_p z$~~

~~kind_p(*x*, *y*)~~

Her husband (who is, by the way, identical to the object I'm pointing to) is kind to her.

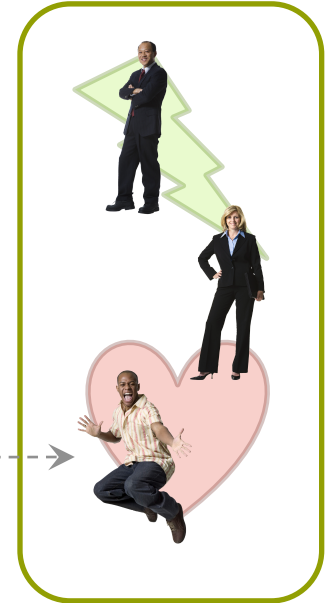


dimension switching

Gestural concept at-issue/referential interpretation/
speaker's referent:

A: *Her husband is kind to her.*

B: *HE* [= the man referred to by the speaker via
gesture] *is kind to her. But he isn't her
husband.* (Kripke 1977, p. 90, my emphasis)



~~husband_of~~ $p^*(x, y)$

$x =_p z$

$kind_p(x, y)$

This object (which is, by the way, her husband) is kind to her.

dimension switching

General idea (Ebert & Ebert, 2014):



- Two distinct referential concepts: verbal x and (possibly covert) gestural z
- only one can be at-issue, the other must be non-at-issue

at-issue verbal concept x

$\text{big_bottle}_p(x)$

$x =_{p^*} z$

attributive reading

at-issue gesture concept z

$\text{big_bottle}_{p^*}(x)$

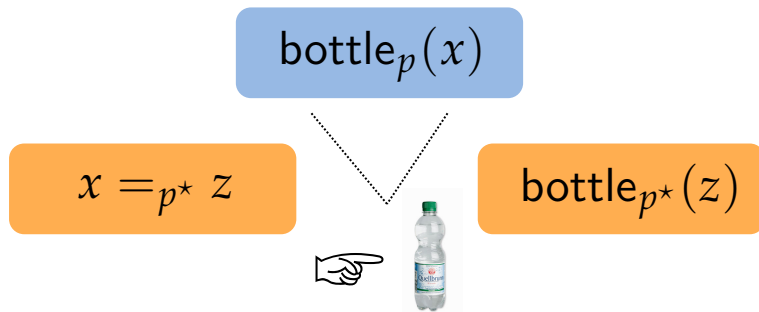
$x =_p z$

referential reading

dimension switching

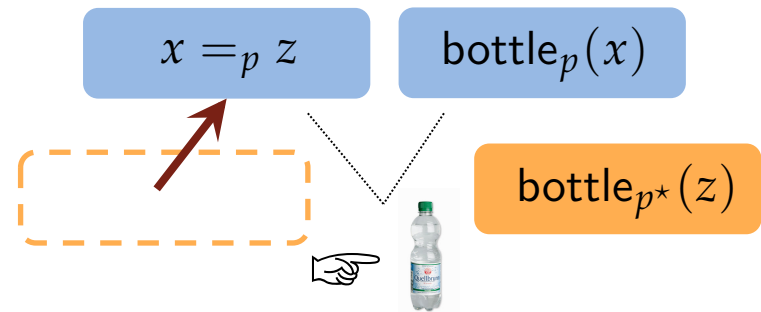
attributive reading

the bottle



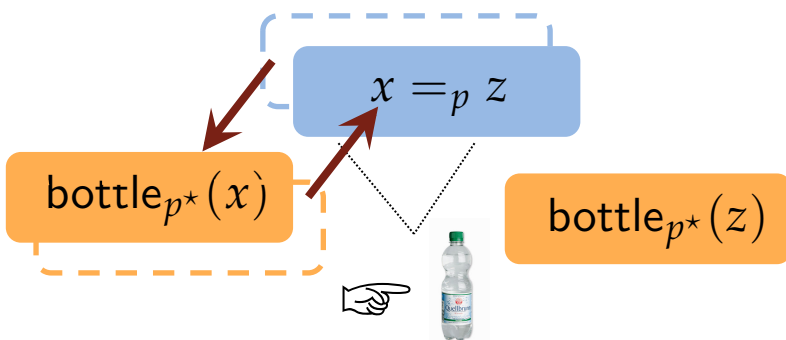
demonstrative reading

this bottle



referential reading

the bottle



Due to at-issue identification

$$x =_p z$$

definite treated as a rigid
designator or name-like

(see Kaplan 1989a,b; Marti 2008)

summary

- pieces of information from one or across different channels of communication compete for at-issueness
- a prime example is the interplay of gestural information and speech, where speech usually wins over gesture
- stand-alone gestures don't face competition and are hence at-issue
- there are means to switch and shift information between dimensions

outlook

[Lance Armstrong, the famous trumpeter,] likes Spaghetti.



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