

Talking and gesturing about motion at different L2 proficiency levels

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Introduction Background

SELF-PROPELLED MOTION EVENTS

Figure – Ground – Path – Manner

THE EXPRESSION OF MOTION EVENTS IN SPEECH

Verb-framed languages Satellite-framed languages

Grosminet *rentre dans la cage en marchant.* [Sylvester enters the cage walking.]

Thinking-for-speaking

(Slobin 1996, Talmy 2000)

THE EXPRESSION OF MOTION EVENTS IN CO-SPEECH GESTURE

Differences between V- and S-languages are reflected in co-speech gestures:

- Conflated gestures vs. two gestures;
- Semantic components;
- "Thinking-for-gesturing" (Kellerman & van Hoof 2003: 266)

(i.a. Cadierno & Ruiz 2006, Kita & Özyürek 2003, McNeill & Duncan 2000, Stam et al. 2023)

THE MULTIMODAL EXPRESSION OF MOTION EVENTS

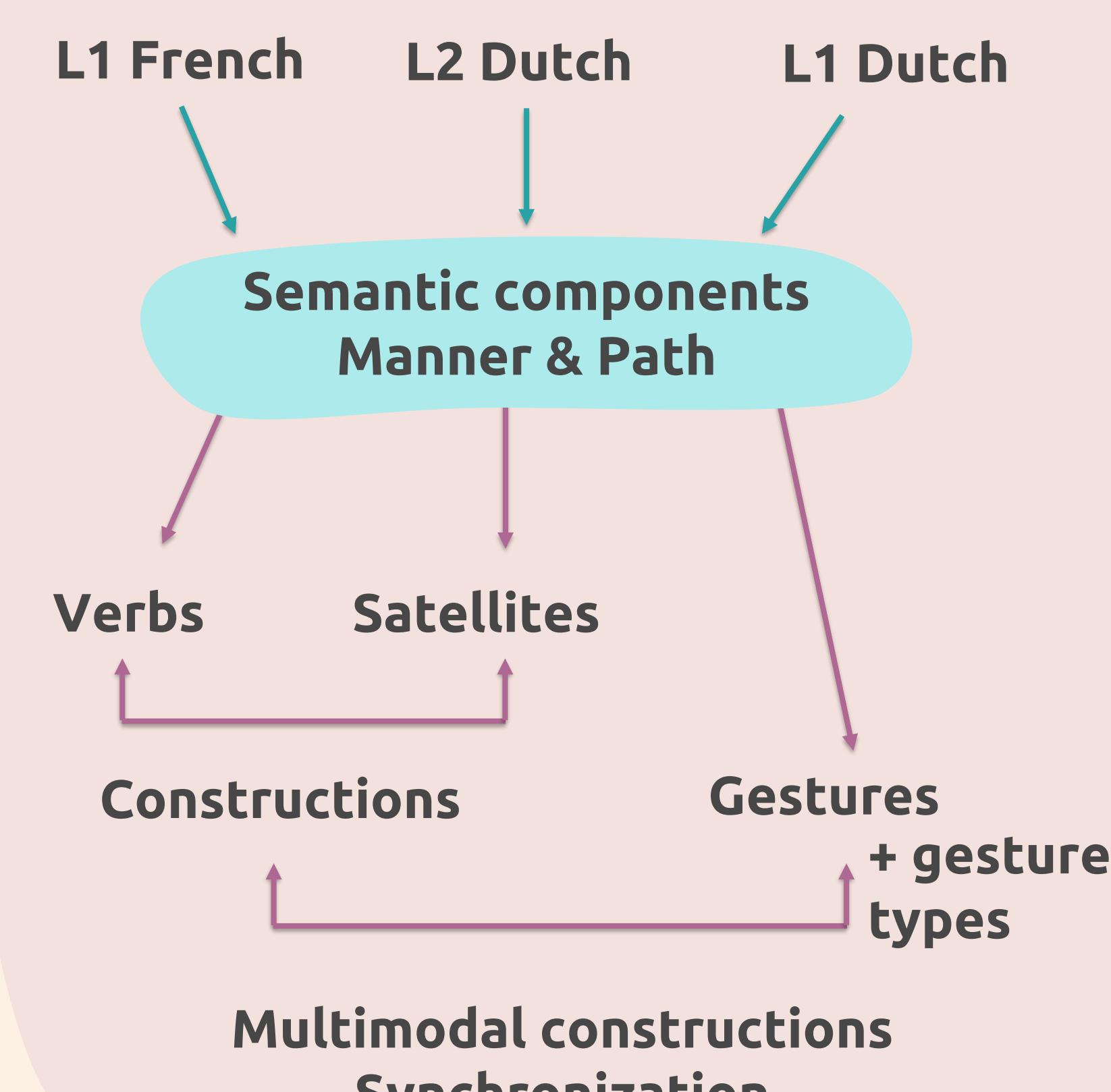
- Overall picture
- Multimodal constructions
- Synchronization
- Multimodal thinking-for-speaking pattern (Özyürek et al. 2005, Stam 2006, 2008)

MOTION EVENTS IN A L2

- Shift from L1's pattern to L2's: difficult
- Multimodal TFS pattern

(i.a. Cadierno & Ruiz 2006, Cadierno 2017, Negueruela et al. 2004, Stam 2010)

Research questions



Method Participants

11 L1 French speakers

9 L1 Dutch speakers

12 CLIL French-speaking learners of Dutch:

- 2 of them have an A1 level
- 7 of them have an A2 level
- 1 of them has a B1 level
- 2 of them have a B2 level

Task

Tweet Zoo (15 fragments)



Matching game

(Freleng 1957)

Analysis

Speech	
Verb	Neutral/Manner/Path/ Manner and path/ Manner and path (prefix)
Satellite	Manner/Path/Location/ Combination
Construction	e.g. MannerV + Paths
Boundary crossing	Yes/No
Co-speech gestures	
Type	Iconic/ Deictic/Metaphoric Pragmatic/Beat
Semantic component	Manner/Path/ Ground /Location/Combination

(Kendon 2004, 2017, McNeill 2006, Woerfel 2019)

Figure 1. PATH_{GESTURE} co-occurring with "Il passe à côté" (FR5, ME31)
[He passes by]

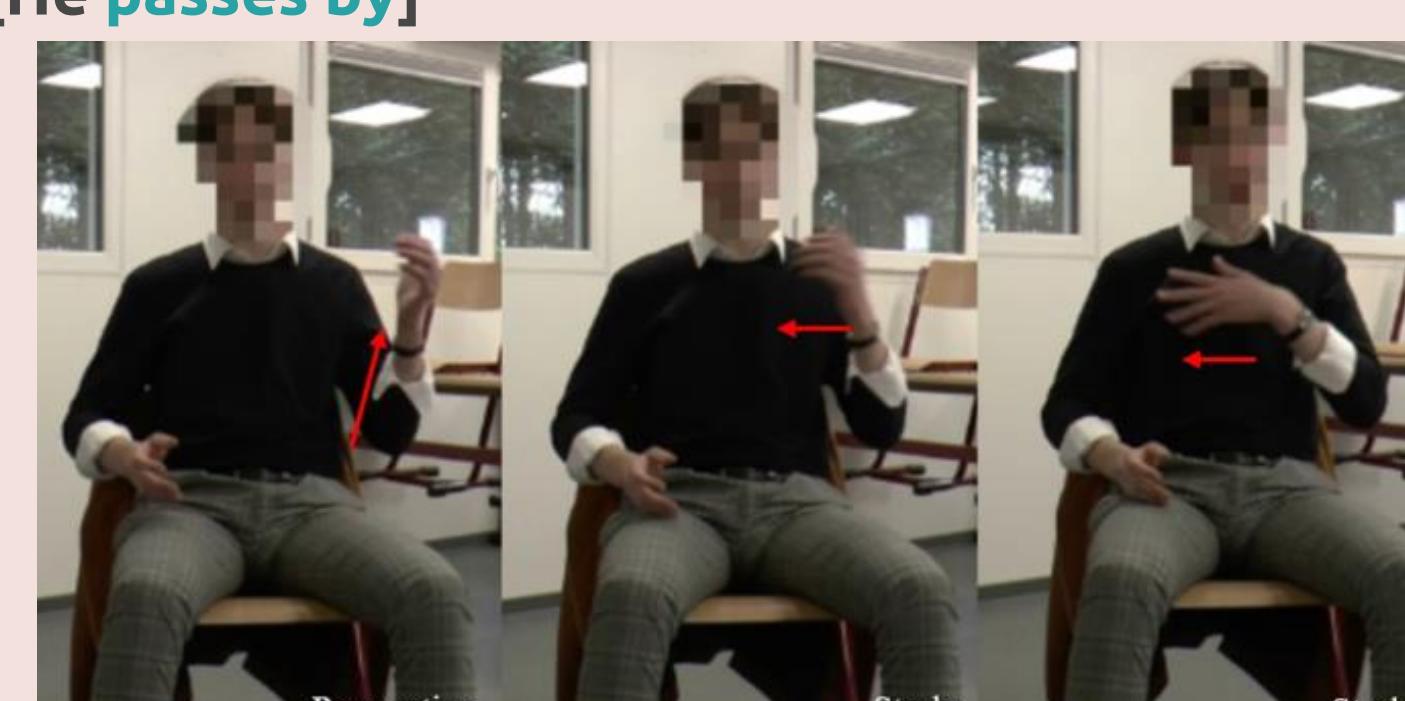


Figure 2. MANNER_{GESTURE} co-occurring with "hij gaat verder in het water" (CLIL7, ME72)
[he goes further in the water]

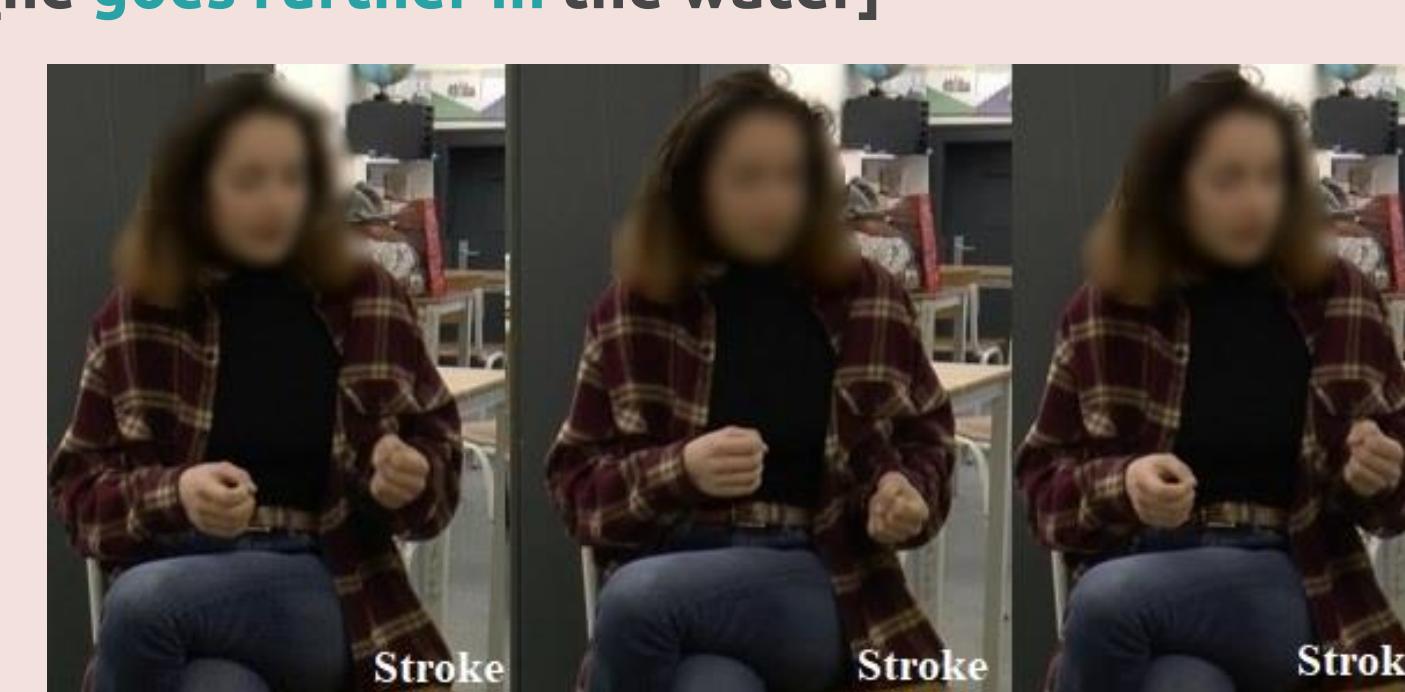
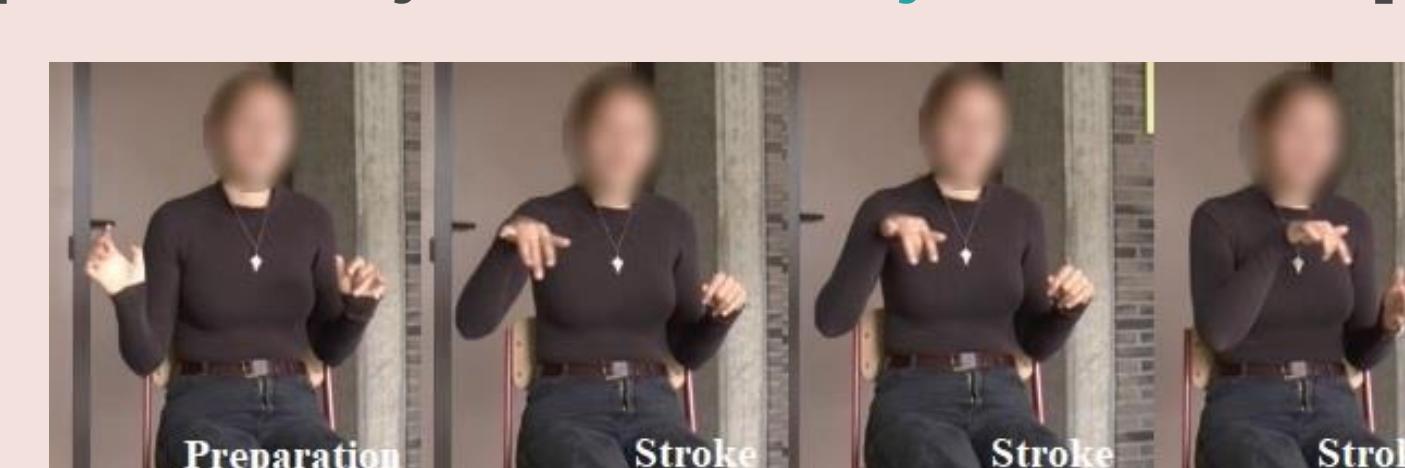
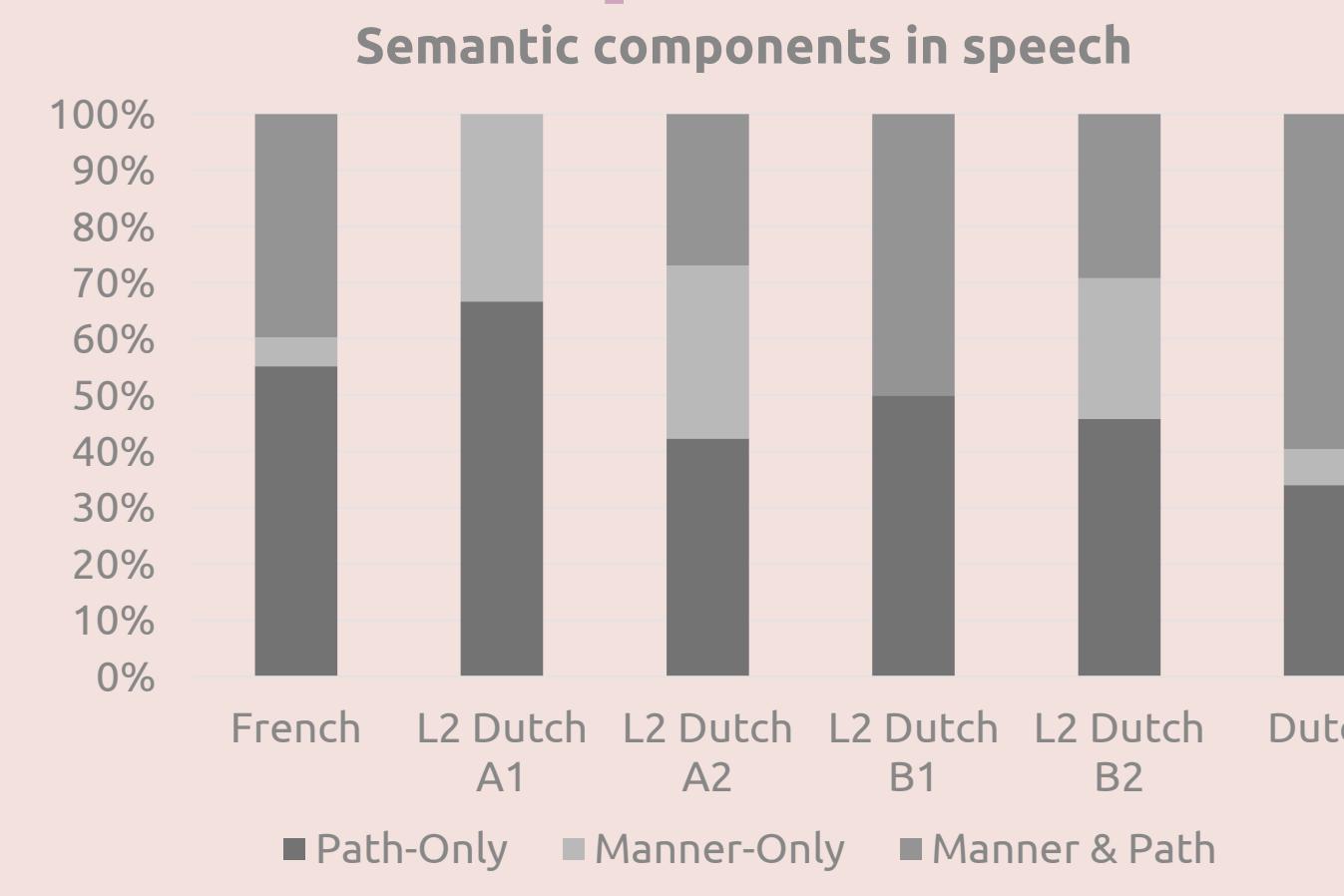


Figure 3. MANNERPATH_{GESTURE} co-occurring with "en dan lopen ze heel die muur af" (DU11, ME65)
[and then they walk all the way down the wall]

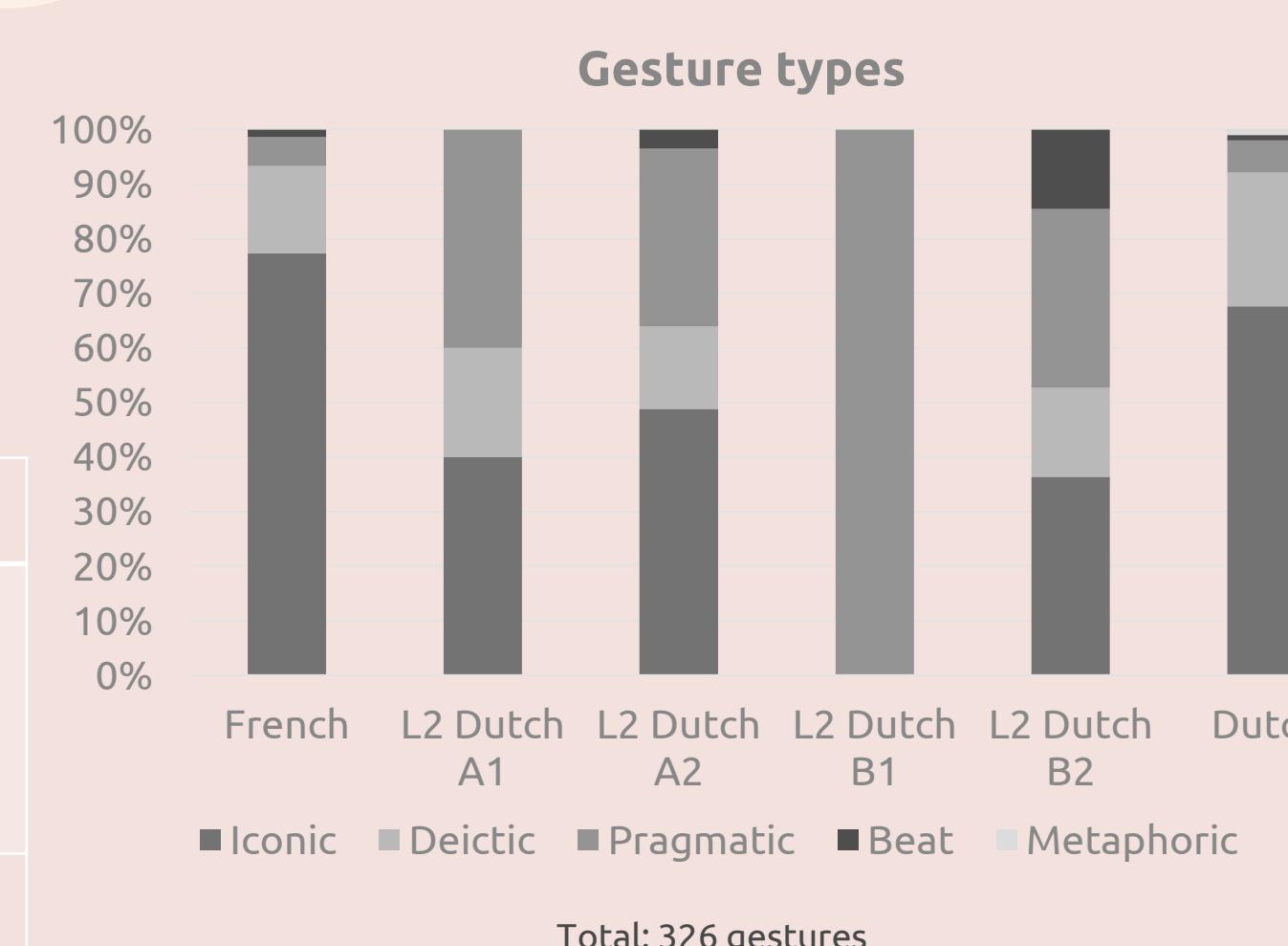


Results

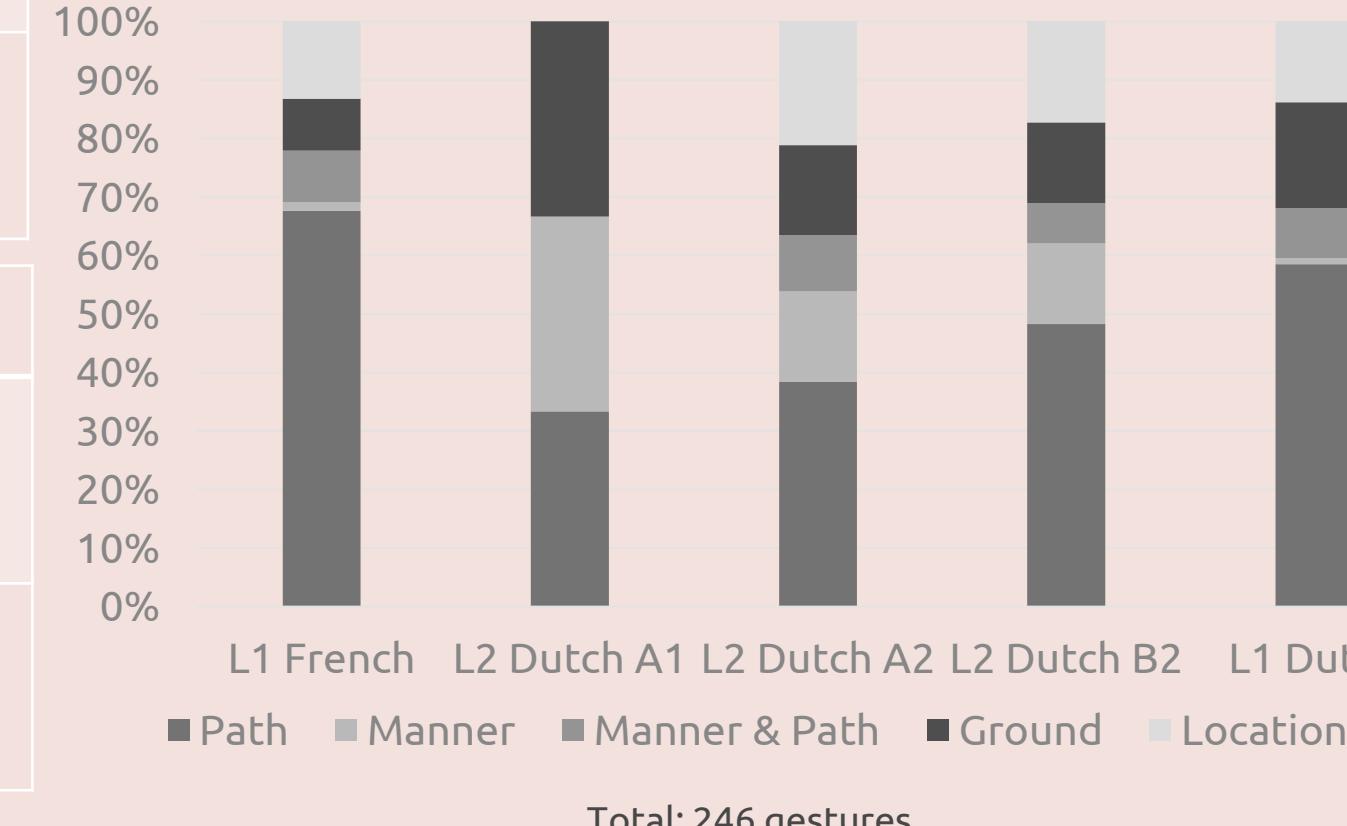
Speech



Gesture



Semantic components in referential gestures



Discussion & Conclusion

Speech

- L1 French: Path-Only > Manner&Path
- L1 Dutch: Manner&Path > Path-Only

→ Continuum?

- L2 Dutch:
 - Manner-Only: more often than in L1 but ↘ as the proficiency level ↗
 - Manner&Path: B2 > A2
 - But: Path-Only: B2>A2

→ L2 Dutch: characteristics of both TFS-patterns

Gesture

- Pragmatic gestures: L2 > L1 (under review)
- Deictic gestures: L2>L1 and ↗ as the proficiency level ↗
- MannerG, LocationG and GroundG: L2>L1 but ↘ as the proficiency level ↗
- PathG: L1 French > L1 Dutch (under review) > L2 Dutch (Alferink 2015, Piot, under review)

→ L2: own system

Speech & Gesture

- More variety in L1 French than in L1 Dutch
- Path-Only in French vs. MannerPathSp + PathG in Dutch
- A lot of variation in L2
- Gestures adding information: more frequent in L2 Dutch (mostly A2): sometimes compensation gestures

→ L2: own TFS-pattern + Path-Only // French: difficult to switch (i.a. Cadierno & Ruiz 2006, Cadierno 2017, Negueruela et al. 2004, Stam 2010)

Further research

- More data & L2 learners' evolution
- Observer viewpoint vs. character viewpoint gestures
- Boundary crossing gesture (McNeill 1992, Parrill 2011, Stam 2018)

References

Contact information

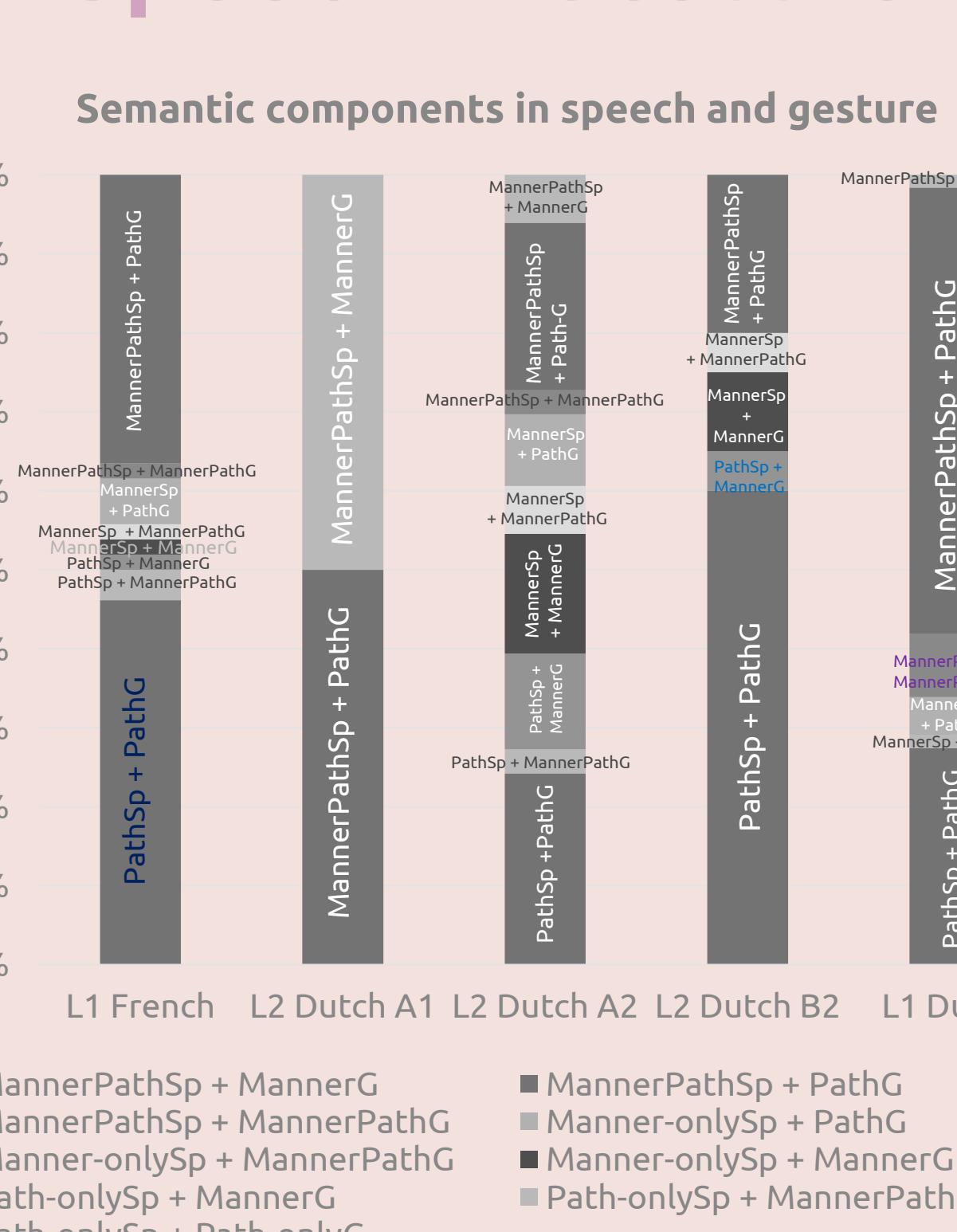
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Speech & Gesture



Synchronization between PATH_{GESTURE} and speech units

