

What syntax doesn't feed semantics

Fake indexicals as indexicals

Abstract: I argue that the first person pronoun is always directly referential, against recent findings of Heim (1991; 2008), Kratzer (1998; 2008) and others. I show how purported evidence of syntactically bound or 'fake' indexical *I*, involving sloppy ellipsis and *only* can be reconciled with a strict Kaplanian semantics. I propose an alternative treatment that bypasses the syntactic LF level, going straight from surface to semantics/pragmatics.

Kaplan (1989) proposes an elegant way to reconcile the meaningfulness of *I* with its immunity to embedding and lack of propositional content. In his two-dimensional semantics indexicals are context-dependent and intensionally rigid, while descriptions carry intensional content (but are contextually inert): $\llbracket I \rrbracket_w^c = \text{the speaker of } c$; $\llbracket \text{the speaker} \rrbracket_w^c = \text{the speaker of } w$. The semantics emerging from this distinction has proved very successful in analyzing the key notions of context-dependence, proposition, meaning and attitudes. I defend Kaplan's analysis of *I* against the recently popular view of *I* as a syntactically bindable variable, like *he*.

That *I* resists binding seems obvious, e.g.:

- (1) Every speaker_{*i*} has difficulty stopping when
 I_{*i} should [(Partee 1989)]

Nonetheless, the linguistics literature reveals *prima facie* plausible candidates involving sloppily bound *my* under *only* and in ellipsis. I investigate the argumentation behind these examples, and argue that they provide insufficient basis for discarding Kaplan by proposing syntax-free alternative analyses that do not violate direct reference.

Sloppy *I* under *only* and ellipsis

Kaplan's analysis implies that when there are several occurrences of *I* (or its case forms *me*, *my*) in a sentence, each of them refers to the speaker. This is not true, 1st person pronouns are in fact just like 3rd person pronouns in that they can be interpreted as bound variables rather than referring terms

Thus, Heim (1991) initiates the attack on Kaplan. The crucial examples purported to bring out this bound variable behavior of the first person are:

- (2) a. Only I did my homework [(Heim 1991)]
 b. I did my homework, but my classmates
 didn't [(Heim 1991)]

Both have two readings, a strict one, where nobody else did my homework, and a sloppy one, where nobody else did their own homework. Heim ar-

gues as follows: Logically, *my* in the sloppy reading of (2a) plays the role of a variable ranging over everybody in the domain. And in the sloppy reading of (2b), the elided VP (*did their homework* can only be reconstructed from the source clause (=first clause), if that source already contained a bound variable *my*. As I will show, this argumentation depends on some non-trivial and unnecessarily limiting assumptions about the syntax/semantics of the constructions involved.

Only as non-conservative quantifier

One such assumption in Heim's analysis of (2a) is that *only* is a quantifier:

- (3) $(\text{only}(i))(\lambda x[\text{did_homework_of}(x, x)])$

This logical form captures the sloppy reading, but to derive it from the surface requires non-trivial syntactic machinery: the possessive *my* can be bound by λx because of *feature agreement*, since the abstracted x gets its features from the quantifier *Only I*, which in turn inherits its from *I*. Note that the first person feature has thus become purely morphosyntactic, not semantic, as can be brought out by adding x 's alleged first person feature as a semantic condition ($x = i$) to the sloppy *I* in (3):

- (4) $(\text{only}(i))(\lambda x[x = i \wedge \text{did_homework_of}(x, x)]) \quad [\neq (3)]$

In words: 'I am the only one who is a homework-maker that coincides with me', which is a much weaker, nonsensical statement. We can attribute this problem to the fact that Heim's quantifier *only* is *non-conservative*, i.e. $\text{only}(X, Y) \neq \text{only}(X, X \cap Y)$, while conservativity is generally considered a global constraint on natural language quantifiers. I conclude that Heim's analysis of (2) relies on the dubious assumptions that *only* is a non-conservative quantifier and that the first person feature of *I* is a purely morphosyntactic affair.

Sloppy ellipsis through higher-order unification

The argument from ellipsis, (2b), does not involve such a questionable quantifier, but similarly depends on a very syntactic conception (of ellipsis),

