Peter Staroverov, Moscow State University.

Type-shifting and lexical semantics in the interpretation of Russian conjoined relational nouns.

This paper investigates the semantic behavior of Russian relational nouns in the coordination construction.

It has traditionally been assumed (Šmelev 1998, Partee 1989 among others) that the correlate of relational nouns is established as the speaker, addressee, subject or narrator depending on the context

I analyze the examples² that are difficult to describe within these assumptions. In (1) neither of the mentioned options is available.

(1) V roman'-e r'eč id'et o muž-e i žen'-e in novel-PRP discourse go.3sg about husband-PRP and wife-PRP The novel is about a husband and a wife.

This example demonstrates what I call the **reciprocal** interpretation of conjoined relational nouns. This sentence can be used only when the *novel* is about two people who are husband and wife of each other. The referent of one relational noun is the correlate of another one and vice versa.

Example (2) demonstrates that the reciprocal interpretation arises independently of the pragmatic principles described above.

(2) Vas'a pozva-l brat-a i s'estr-u na prazdn'ik Vasia call-PST.M brother-ACC and sister-ACC to party.ACC Vasia called brother and sister to the party.

This sentence is ambiguous between at least two interpretations:

- (i) Vasia called his brother and sister to the party.
- (ii) Vasia called to the party two people who were brother and sister of each other but were not his relatives.

To sum up the reciprocal interpretation can not be due to the pragmatic principles that are normally at work for relational nouns. Neither can it be described as a case of presupposition accommodation (cf. Barker 1999). Further evidence for these claims comes from predicative and negative uses of conjoined relational nouns.

Clearly not all the pairs of relational nouns allow for the reciprocal interpretation (cf. *brat i drug* 'brother and friend'). Similarly to some other proposals that deal with implicit variables (Vikner and Jensen 2002, Jensen and Vikner 2004, Breheny 2003 among others) I make use of Pustejovsky's [1995] *qualia structure* in formulating the lexical restrictions on reciprocal interpretation.

Roughly speaking the idea is that to derive the reciprocal reading two relational nouns must have the same qualia specified as inverse relations. For example in case of *p'isat'el'* i *kn'iga* 'writer and book' we don't get the reciprocal reading because these two words differ in qualia structure. P'isat'el' has the telic and kn'iga has the agentive role specified as $\lambda x[\lambda y[compose'(x,y)]]$ (with the appropriate order of variables in each case).

I propose to derive the reciprocal interpretation making use of Winter's [2001] minimum sort operator that takes the *minimal set* of a quantifier. I will demonstrate that for example the minimal set of the quantifier corresponding to *brat i s'estra* 'brother and sister' can be traced out to the set of pairs of people who are siblings of different sex.

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¹ I use the term *correlate* for the entity corresponding to the implicit variable of a relational noun following [Lander unpublished].

² Grammaticality of all the examples is confirmed by at least 3 native speakers of Russain.

In the rest of the paper I discuss the interaction of this operator and the lexical constraints on reciprocal interpretation. Contrary to what Winter [2001] assumes I will argue that the constraints on type-shifting can be of lexical, not only syntactic nature. Finally I will consider the theoretical consequences of lexically restricted type-shifting.

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