

Povzetek

Diplomsko delo se ukvarja z analizo determinatorjev v naravnem človeškem jeziku. Najprej pokažemo neizomorfnost stavkov naravnega človeškega jezika in logike prvega reda, nadaljujemo pa s predstavitvijo aplikacije teorije posplošenih kvantifikatorjev v jezikoslovju in pokažemo, da so možne denotacije determinatorskih izrazov natanko vse konzervativne preslikave. Zatem predstavimo alternativen, skladenjsko usmerjen pristop k problemu, ki stavke naravnega človeškega jezika zapiše v jeziku infinitarne logike, ter pokažemo, na kakšen način je skladenjska oblika stavkov povezana s semantičnimi lastnostmi iz teorije posplošenih kvantifikatorjev: ekspliciramo zvezo med konzervativnostjo in omejeno kvantifikacijo ter monotonostjo in polarnostjo predikatov.

This paper deals with the analysis of determiners in the natural language. We first show that sentences of the natural language are not isomorphic to sentences of first order logic and then how the theory of generalized quantifiers is applied to linguistics. As a main result we prove that all possible denotations of determiner phrases are exactly the conservative mappings. Afterwards we approach the problem from a more syntactic perspective: we transcribe sentences of the natural language to the language of infinitary logic and show the correlation between syntactic structure of such sentences and their semantic properties as described in the theory of generalized quantifiers. In particular we explicate the connection between conservativity and restricted quantification on one hand and directional entailingness and predicate polarity on the other.

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Ključne besede: posplošeni kvantifikatorji, infinitarna logika, ohranitveni izreki, interpolacijski izreki, jezikoslovje, konzervativnost, omejena kvantifikacija, monotonost.

Key words: generalized quantifiers, infinitary logic, preservation theorems, interpolation theorems, linguistics, conservativity, restricted quantification, monotonicity.

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