Interactive Semantic Analysis of English Paragraphs

- Yorick Wilks -

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C*O*MPUTATIONAL L*I*N*G*UISTICS

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C O L I N G

1969

Classification: IR 2.4

INTERACTIVE SEMANTIC ANALYSIS OF ENGLISH PARAGRAPHS

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Abstract.

This paper describes the use of an on-line system to do
word-sense ambiguity resolution and content analysis of
English text paragraphs, using a system of semantic analysis
programmed in Q32 LISP 1.5. The system of semantic analysis
comprised dictionary codings for the text words, coded forms
of permitted message, and rules producing message forms in
combination on the basis of a criterion of semantic closeness.
All these can be expressed within a single system of rules
of phrase-structure form. In certain circumstances the
system is able to enlarge its own dictionary in a real-time
mode on the basis of information gained from the actual texts
analysed. An interpretation of the system in terms of
"meaningfulness" is suggested.

Key words and phrases: semantics, language analysis,
interpretation, template. CR Categories: 3.36, 3.62, 3.63.