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PROJECT “AUTOMATED SYSTEM OF TEXT INTERPRETATION BASED ON FUZZY CONCEPTUAL MODELS”

KEYWORDS: Natural Language Processing (NLP), knowledge representation, symbol, morpheme, term, logogen, conceptual model, intellectual information search systems, fuzzy logic

MAIN PROJECT IDEA

(Automated system of text interpretation based on fuzzy conceptual models)

- The conceptual multilevel word processing model based on division of semantic layers and method of generalization of the semantic loading of the text for symbol- morpheme-term layers was developed.
- On the basis of data from cognitive psychology the hybrid fuzzy model of knowledge representation is developed.
- The model of text information interpretation on the basis of fuzzy conceptual model is developed.
- The developed method can be used in development of information retrieval systems, systems of categorizing and other systems, including subsystems of morphological, terminological and semantic analysis.
- The technology of construction of the text interpretation automated systems is described.

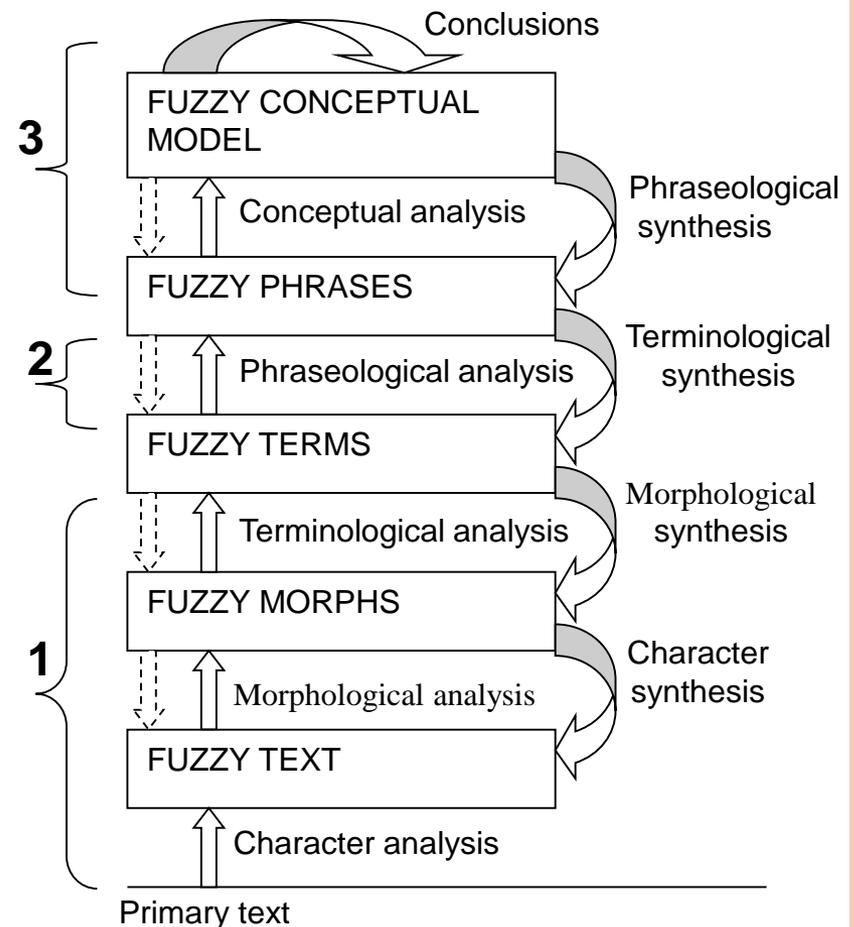


Chart of the NL-text processing:

- 1 – terminological marking
- 2 – eventful marking
- 3 – construction of context.

PROJECT OF AUTOMATED SYSTEM OF TEXT INTERPRETATION

