

Hierarchiczne analizy języka

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JP — Publications



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*Hierarchiczne analizy
języka*. (Hierarchical
Analyses of Language.)
Adam Mickiewicz University
Press, Poznań 1991, pp. 64.
Seria Językoznawstwo nr
14.
ISSN 0239-7617.
ISBN 83-232-371-7.

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In this monograph we present a mathematical model of a wide class of linguistic theories called by us linguistic analyses. The model reflects the hierarchical structure of the plane of expression. Its fundamental components - analyzed tokens, language levels, syntagmatic, paradigmatic and inter-level relations are described in terms taken from mathematical logic. A special emphasis is put on local properties of analyzed tokens (e.g. syntagmatic similarities and oppositions) and some set-theoretical, algebraic and topological properties of language levels, determined by those local properties.

The monograph contains also a few metatheoretical contributions to linguistics such as: the definition of a mathematical model of language (formulated in terms of general systems theory), explication of the notion of logical reconstruction of a given linguistic theory and discussion of the problem of axiomatizability of linguistic theories.