Linguistic Oppositions

Jerzy Pogonowski

Zakład Logiki Stosowanej UAM
www.logic.amu.edu.pl
pogon@amu.edu.pl

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The monograph proposes a mathematical theory capable of describing all relations called oppositions in linguistics. The first part presents a mathematical theory of oppositions; the second includes several applications of the theory to the study of language. Set-theoretical, algebraic and topological structures occurring in any opposition space are taken into account. Applications of this formal machinery concern lexical and hyponymic oppositions, syntagmatic oppositions and, finally, phonological oppositions.