
Categorical effects of color discrimination Part 1. The linguistic aspect

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A series of studies of category perception of colour is presented in three parts of this paper. The linguistic aspect of colour distinction by Russian, Komi and Udmurt subjects is described in the first part. The category effect is observed in all four studies – the between-category colour distinction is performed faster than the within-category one. Systems of colour denotations in different languages have an influence on the speed of colour distinction. The age dynamics of between- and within-category colour distinctions subjects to considerable changes. The greatest distinctions are observed at younger school age, but they gradually decrease to middle and senior school age. In no one research we have revealed the effect of preferential processing of between-category colour stimuli in the right semifield of vision (i.e. in the left brain hemisphere) that contradicts data of some foreign researches.

Keywords: between-category and within-category colour distinction, linguistic relativity hypothesis, age dynamics of category perception of colour.

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