

Categorical effects of colour distinction Part 3: The perceptual regularities

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The results of four studies on some general regularities of the categorical colour perception are described in the final part of the article. We were studying characteristics of the categorical effects on focal and boundary colours (i), at stimulation of the central and peripheral zones of the retina (ii), under the influence of spatial and verbal interfering stimuli (iii). It is found that the categorical effects occur mainly in the diapason of boundary colours, but not focal colours. The disappearance of categorical effects of colour perception takes place when we move the target stimulus from the central field of vision to the visual periphery. The impact of verbal interference leads to an increase of the differences between performance of within-category and between-category tasks, especially in the diapason of boundary colours.

Keywords: between-category and within-category colour distinction, focal and boundary colours, central and peripheral vision, spatial and verbal interference, age dynamics of categorical perception

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