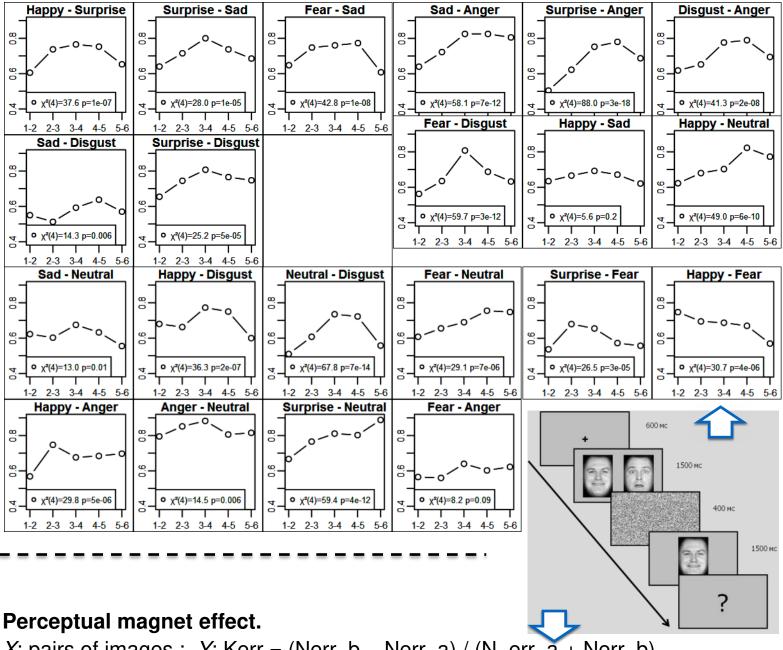
## Categorical perception of emotional expressions: key results

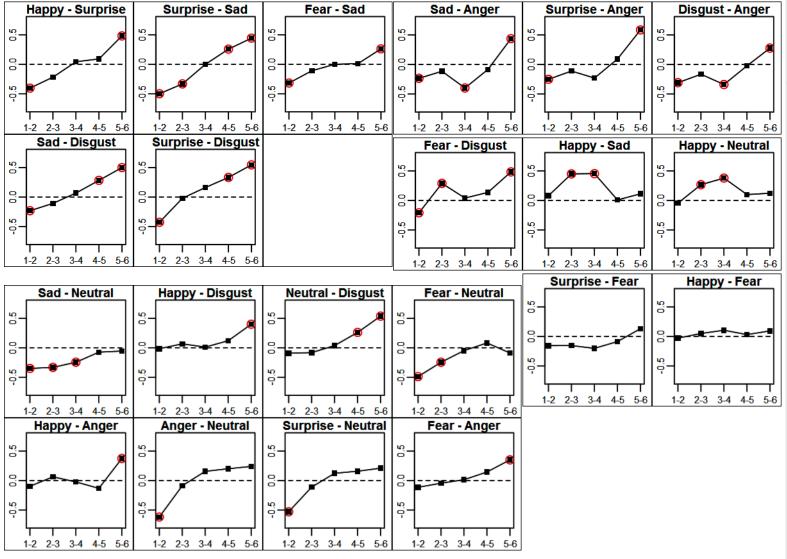
Zhegallo Alexander Vladimirovich; Senior Researcher; Institute of Psychology, Russian Academy of Sciences; Moscow, Russia.

ABX discrimination task: variability of accuracy distributions; 400ES x pair of images; X: pairs of images; Y: Accuracy [1,2]



X: pairs of images ; Y: Kerr = (Nerr\_b – Nerr\_a) / (N\_err\_a + Nerr\_b)

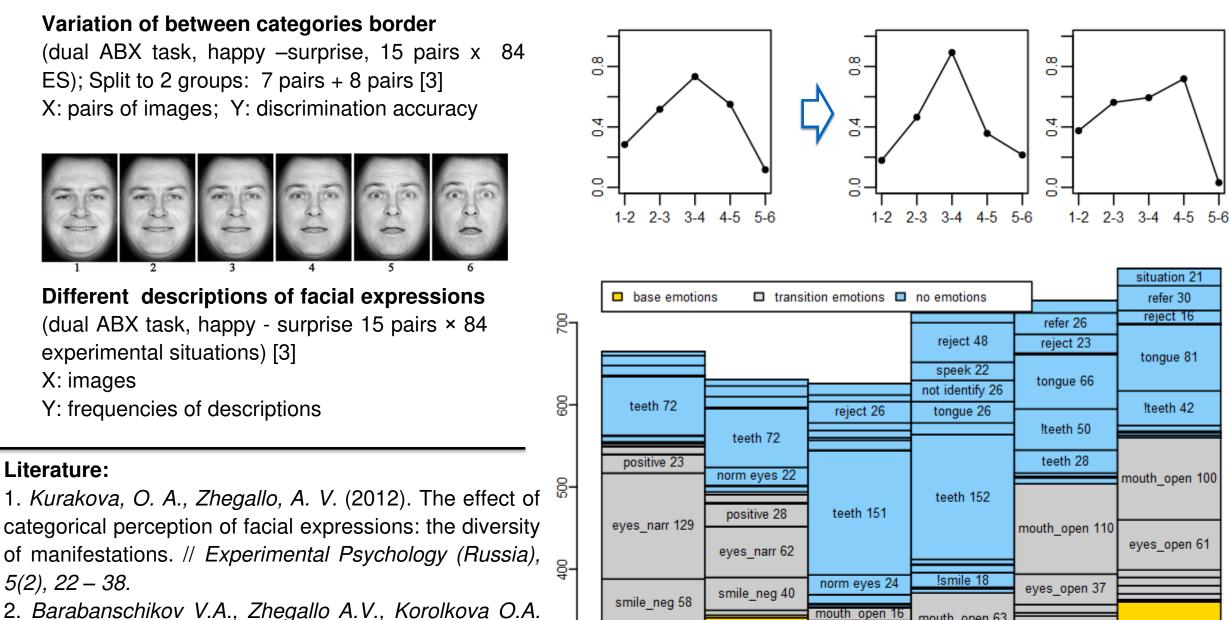
*Red:* pairs of images with ratio N\_err\_a / N\_err\_b  $\neq$  1 ( $\chi^2$  criterium, p < 0.01)



Different relative "strength" of perceptual categories (individual X-AB task, discrimination accuracy, 28 sbj), 504 ES x sbj, significant differeces in accuracy marked [4]



Reconstruction of the perceptive space, based on asymmetry of identification accuracy



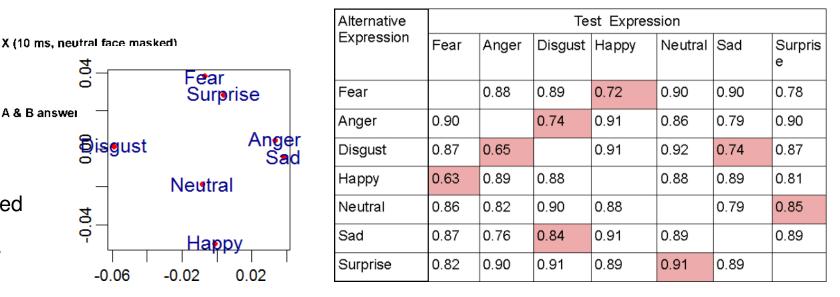
experimental situations) [3] X: images

## Literature:

5(2), 22 - 38.

2. Barabanschikov V.A., Zhegallo A.V., Korolkova O.A. (2016) Perceptive categorization of facial expressions . 8-M.: Cogito-Center.

3. Barabanschikov V.A., Zhegallo A.V., Korolkova O.A. (2017) Identification of natural and artificial transient 8emotional expression of the face in the context of direct communication // Cognitive mechanisms of nonverbal communication, Ch 3. M.: Cogito-Center 4. Zhegallo A.V. (2018) Perceptual magnet effect in discrimination task for base emotional expressions // Human psychology as a subject of knowledge, --communication and activity P. 976 - 983 M.: IPRAS



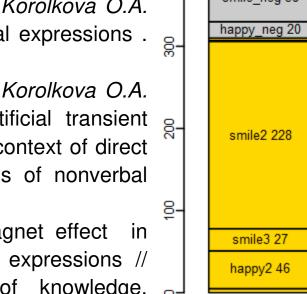


Foto4

nouth\_open 63

eyes\_open 39

surprise3 29

surprise2 105

fear2 25

happy surp 16

surprise2 220

fear1 16

fear2 39

Foto5

eyes\_narr 23

smile\_neg 125

smile1 26

smile2 100

Foto3

smile2 291

happy2 27

Foto2

smile3 27

Foto1

Foto6

surprise2 212

surprise1 33

fear2 73

шок 28