



# Erratum: A single theoretical framework for circular features processing in humans: orientation and direction of motion compared

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## A commentary on

A single theoretical framework for circular features processing in humans: orientation and direction of motion compared

by Tzvetanov, T. (2012). *Front. Comput. Neurosci.* 6:28. doi: 10.3389/fncom.2012.00028

In the article *A single theoretical framework for circular features processing in humans: orientation and direction of motion compared* (Tzvetanov, 2012, *Front. Comput. Neurosci.* 6:28. doi: 10.3389/fncom.2012.00028) a presentation error occurred concerning the equations defining  $a$  and  $w$  within the text (subsection 4.4, page 9).

The sentence on page 9, subsection 4.4:

The priors on the three parameters were:  $l$  - beta probability distribution with parameters Beta (1.1, 20);

$\mu$  - normal probability distribution with parameters Norm ( $a, 10w$ ) with  $a$  and  $w$  being the mean and standard deviation obtained from each experimental data set  $\{x_i, p_i\}$  ( $a = \sum p_i x_i$  and  $w = \sqrt{\sum p_i (x_i - a)^2}$ );  $\sigma$  - gamma probability distribution with parameters Gamma ( $a_G, b_G$ ) fixed at  $a_G = 1 + w/b_G$  and  $b_G = (\sqrt{5} - 1)w/2$  such that the mode and variance of the Gamma distribution is  $w$ .

must be replaced by:

The priors on the three parameters were:  $l$  - beta probability distribution with parameters Beta (1.1, 20);  $\mu$  - normal probability distribution with parameters Norm ( $a, 10w$ ) with  $a$  and  $w$  being the mean and standard deviation obtained from each experimental data set  $\{x_i, n_i, y_i\}$  as follows:  $a = \sum q_i x_i$ ,  $w = \sqrt{\sum q_i (x_i - a)^2}$ , and  $q_i = n_i / \sum_i n_i$ ;  $\sigma$  - gamma probability

distribution with parameters Gamma ( $a_G, b_G$ ) fixed at  $a_G = 1 + w/b_G$  and  $b_G = (\sqrt{5} - 1)w/2$  such that the mode and variance of the Gamma distribution is  $w$ .

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