

Localized topological changes of the plasma membrane upon exocytosis visualized by polarized TIRFM

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The authors have requested the following corrections:

In the discussion of the polar coordinate system leading to Eq. (1), the azimuthal angle ϕ is ambiguously defined as “measured around the z axis.” A more conventional precise definition is “measured around the z axis starting from the x axis.” With this standard definition, the expression for S in Eq. (1) should contain the factor $\sin^2\phi$ instead of $\cos^2\phi$. (The factor $\cos^2\phi$ is correct only if ϕ is understood to be measured from the y axis.) All of the geometrical models considered in the paper are azimuthally isotropic, so the starting axis for measuring ϕ makes no difference whatsoever in the subsequent analysis.

Also, in the equation for orientational distribution $\eta(plane)$, shown before Eq. (5), the delta function factor $\delta(\theta - \pi/2)$ is best written as $\delta(\cos\theta)$. This makes no difference for the particular case here, but a δ -function distribution at any general polar angle θ_0 must be written as $\delta(\cos\theta - \cos\theta_0)$.

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