ERRATA

Erratum to: The Influence of the Numerical Aperture of a Beam Probing an Object on the Determination of the Thickness of a Layered Object in Confocal Microscopy

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Formula (14) should read

$$k_{z0} = (k_{z\max} + k_{z\min})/2 = \frac{\pi}{\lambda_{01}} n_0 (1 + \cos(\theta_{\max})).$$

Formula (16) should read

$$\theta_{\text{eff}} = \arccos\left(\frac{\lambda_{01}}{2\pi n_0} k_{z0}\right) = \arccos\left(\frac{1}{2}(1 + \cos(\theta_{\max}))\right).$$

Formula (17) should read

$$NA_{\text{eff}} = n_0 \sin(\theta_{\text{eff}}) = \frac{1}{2} \sqrt{2NA^2 + (n_0 - \sqrt{n_0^2 - NA^2})^2}.$$

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