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Corrigendum: Propagation phasor approach for holographic image reconstruction

Wei Luo, Yibo Zhang, Zoltán Göröcs, Alborz Feizi & Aydogan Ozcan

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Here we correct and clarify some of the mathematical expressions in this Article. These do not affect the conclusions and the reported results of the original published article. In the Methods section under the subheading 'Mathematical formalism of propagation phasor approach in digital holography',

" SS_k represents the self-interference terms, which can be written as $SS_k = \Gamma_{f_x, f_y} \{H_k \cdot S_k\}$, where Γ_{f_x, f_y} refers to the autocorrelation operation".

should read:

" SS_k represents the self-interference terms, which can be written as $SS_k = \Gamma_{f_x, f_y} \{H_k \cdot S_k(f_x - f_{x,k}, f_y - f_{y,k})\}$, where Γ_{f_x, f_y} refers to the autocorrelation operation".

In the same section Equation 4,

$$T_k = H_k^*(f_{x,k}, f_{y,k}) \cdot H_k$$

should read:

$$T_k = H_k^*(f_{x,k}, f_{y,k}) \cdot H_k(f_x + f_{x,k}, f_y + f_{y,k})$$

In the same section under the subheading 'Stage I of Propagation Phasor based Holographic Reconstruction: Generation of an Initial Guess',

"The right side of Eq. (9) shows that in order to extract $(\delta_{00} + S_{00,k}) \cdot P_{00,k}$, there are five terms that need to be eliminated from the back-propagated intensity (i.e., $T_{00,k}^* \cdot e^{j\phi_{shift,00,k}} \cdot I_{sampled,k}$)".

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