

Dear Dr. Lelli,

We thank you for your careful handling of our manuscript and for your positive decision regarding its acceptance. We also value your insightful request for clarification.

We understand the source of the potential confusion. The wavefront reconstruction in our work is indeed performed using the angular spectrum method. In the revised manuscript, we have now explicitly referenced Goodman (2005) rather than only citing the specific implementation by Fugal et al. (2009). Specifically, in line 135 we now state:

“Subsequently, the filtered hologram is normalized and then reconstructed by propagation of the wavefront along the z-axis with the angular spectrum method (see e.g. chapter 3.10 in Goodman, 2005). The Reconstruction via angular spectrum method, i.e. implemented in Fourier space, is performed with the a Huygen-Fresnel kernel in filtering form, as explained in Fugal et al. (2009) Eq. 2-5 without additional frequency filters.”

Additionally, in some parts of the manuscript, we previously used the term “reconstruction” when we were actually referring to the combined process of wavefront reconstruction followed by object extraction (i.e., application of a global threshold and focus finder, as described starting in line 142 of the revised manuscript). To avoid ambiguity, we have now replaced these instances with “reconstruction and object extraction,” reserving “reconstruction” alone for the standard angular spectrum method step.

We hope these revisions solve the issue. Additionally we have updated Figure 10 as there was a mistake in the labeling of the panels (“top left” and “bottom right”). We have uploaded the revised manuscript and another version that marks the new changes.

Best regards,
Authors