**Reviewer comment 1**

Note: The reviewer comments are highlighted in blue, and the response in black.

This is a very well written paper. The authors derive a geometric model for independently tilted lens and sensor with application for omnifocus imaging. The authors also used a Zemax model to verify the equations.

Thank you very much.

In the future, I would recommend the authors to simulate a real lens system, and use the algorithm to composite images for researchers to understand the limitations for this techniques.

We agree with the reviewer’s comment. We are in the process of building a setup that will allow us to rotate an off-the-self lens about its entrance pupil for future experiments based on our model. Our main motivation for using ideal lens surfaces in the Zemax simulation was to validate the geometric models as shown in the Tables 1 and 2.

One suggestion for this manuscript, (11) is not displayed correctly. Please fix it.

Thank you once again, for pointing this out. The equation number 11 (and all other equation numbers) appeared OK when we converted the manuscript to PDF locally (using print as pdf); however, few formatting problems seems to appear in the autogenerated PDF following submission to the prism system. We have broken the equation 11 into two rows to ensure that the equation number is well within the margins. We hope that this will fix the problem