Dear Editor,

We would like to submit our research paper entitled "On Extensions of the Optical Optimization" for its publication into your valued consideration.

The main findings of this paper are as follows:

We have constructed an optical objective function as the focal length of the lens, or mirror and their combinations under fluctuations of the object position and lateral magnification.

The variations in the lateral magnification when evaluated as either the ratio of the image distance to that of the object, or the ratio of the height of the image to that of the object, offer an optimized understanding of the optical zooming process.

The correlation components pertaining to our objective function are made evident by soliciting the notion of multivariable calculus.

Furthermore, the stabilization analysis of an image formation under joint variations of the object distance and lateral magnification is explored with specific illustrations in two and three dimensions of the stability components in the realism of optimization theory.

We anticipate that this analysis may lead to industrial applications in viewpoint of optimized optical instrumentations as a finite combination of lenses and mirrors.

Also, we have proposed an extension of the above optimization model for a constrained optical system having multiple lenses and mirrors, as well.

Herewith, we would be glad for your suggestion and consideration.

Looking forward to hearing from you.

Thanking you in anticipation.

Sincerely Yours,

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