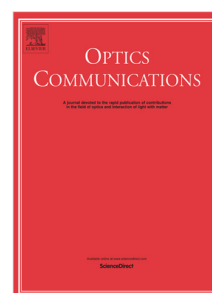


## Accepted Manuscript

Accurate non-paraxial approximation to the vectorial  
Rayleigh-Sommerfeld diffraction integrals for elliptical, radial, azimuthal  
and other polarized illuminating fields

Noé Alcalá Ochoa



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**Highlights**

- 1.- Accurate approximation of the R-S integrals.
- 2.- Analytical formulas to calculate two-dimensional fields using one-dimension integrals.
- 3.- Exact results on-axis.

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