



SDI Review Form 1.6

Journal Name:	Physical Review & Research International
Manuscript Number:	2013_PRRI_6718
Title of the Manuscript:	Focusing of Optical Vector-vortex Beams
Type of the Article	Research Paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	<p>This manuscript focuses on the focusing properties of optical VV beams which play an important role in many domains.</p> <p>There are two points authors should describe in detail.</p> <p>One is why LG beams are chosen as incident beams in this manuscript, or if other kinds of beams are used, whether the conclusions remain.</p> <p>The other is author may add axial intensity curve corresponding to figure 6, in order to show focal depth extend more clearly</p>	<p>The formalism discussed in the manuscript can be used not only for LG beams but for any optical beam with known amplitude, phase and polarization distributions and the focusing element. The output beam characteristics strongly depend on the input beam characteristics and the lens type used. In the manuscript we choose LG input beam with different polarization states, known as vector vortex beams to highlight the role played by the phase and polarization aspects of the input beam in modifying the output beam characteristics in a non-trivial way.</p> <p>The axial intensity as a function of propagation distance is included in the manuscript in both Figs. 4 and 6 to shown clearly the increase in the depth-of-focus.</p>
<u>Minor</u> REVISION comments	Some words in figures may be more clearly, for instances in figure 2(b), 4(d), and 6(d).	The necessary changes are made in the revised manuscript.
<u>Optional/General</u> comments		