

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_112612
Title of the Manuscript:	Demonstration of interferometric properties of unbalanced Mach-Zehnder Interferometer
Type of the Article	Original Research Article

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Compulsory REVISION Comments:</p> <ol style="list-style-type: none"> Importance for Scientific Community: The manuscript holds importance for the scientific community, specifically in the field of silicon photonics and Mach-Zehnder Interferometers. It contributes to the understanding of unbalanced MZIs and their interferometric properties, which is relevant for various applications. Suitability of the Title: The title is suitable, providing a clear indication of the article's focus on the interferometric properties of unbalanced Mach-Zehnder Interferometers. No alternative title is suggested. Comprehensiveness of the Abstract: The abstract is comprehensive, offering a concise overview of the article's content, including the investigated topics and key findings. Appropriateness of Subsections and Structure: The subsections and overall structure of the manuscript are appropriate, facilitating a logical flow of information from theoretical background to simulation, fabrication, and results. Scientific Correctness: The manuscript appears scientifically correct, providing detailed theoretical background, simulation methods, and experimental results. Ensure that equations and theoretical explanations are accurately presented. References: The references are sufficient and cover relevant literature. Ensure that all cited sources are recent and representative of the current state of the field. If applicable, consider adding recent references to enhance the comprehensiveness of the literature review. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>Language/English Quality: The language and English quality of the article are generally suitable for scholarly communication. However, perform a thorough proofread to ensure clarity and correctness. Address any minor grammatical or typographical errors.</p>	
<p>Optional/General comments</p>	<p>Optional/General Comments:</p> <ol style="list-style-type: none"> Consider including figure captions and labels for better clarity in understanding the visual elements of the manuscript. Ensure consistency in terminology throughout the article, especially when referring to components like beam splitter and beam combiner. Include units in equations to enhance clarity and ensure a consistent approach. Provide a brief discussion on potential limitations of the study in the results and discussion section. Consider mentioning the potential applications of the presented findings in the conclusion. 	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Shailendra Kumar Singh
Department, University & Country	S S Khnanna Girls Degree College, University of Allahabad, India