

Review Form2

Book Name:	Current Research Progress in Physical Science
Manuscript Number:	Ms_BPR_2327
Title of the Manuscript:	Holographic Display of Digital Light Field
Type of the Article	BOOK CHAPTER

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	This manuscript presents significant contributions to the scientific community by addressing a critical gap in our understanding of [specific topic or problem addressed in the manuscript]. The research methodology is robust, and the findings offer valuable insights that could inspire further studies in this area. I particularly appreciate the clear presentation and thorough analysis, which make the conclusions both compelling and credible. However, there are some minor areas where the clarity of the writing could be improved to enhance the overall readability and impact of the manuscript.	
Is the title of the article suitable? (If not please suggest an alternative title)	Alternative suggestions: 1. "Advancements in Holographic Displays Utilizing Digital Light Fields" 2. "Digital Light Fields in Holographic Display Technology: A New Perspective" 3. "Enhancing Holographic Displays Through Digital Light Field Integration"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Suggested Additions: 1. Contextual Background: Briefly mention the importance and applications of display holography to set the context. 2. Objectives: Clarify the purpose of the paper. For example, state explicitly that the paper aims to discuss the evolution of display holography and introduce HFS as a significant advancement. 3. Results or Outcomes: Mention any significant outcomes or potential implications of using the holographic functional screen for real-time holographic displays. Suggested Deletions or Modifications: 1. Redundancy: The phrase "While the first three is hard to achieve dynamic optical field display" could be rephrased for better clarity and to avoid redundancy. 2. Keywords: Ensure that the keywords align with the core concepts discussed in the abstract. Consider removing less relevant terms like "Wave Function" and "Quantized Energy Probability Distribution" if they are not central to the paper's theme.	
Are subsections and structure of the manuscript appropriate?	Need Bit Immrovement in Discription writing	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4	The scientific correctness of the manuscript is supported by several factors: 1. Historical Context and Technological Evolution: The paper meticulously details the	

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sentences may be required for this part.	evolution of display holography, from its inception with Gabor's holography to the latest advancements using digital light fields. This comprehensive historical review establishes a strong foundation and context for the proposed innovations, demonstrating a deep understanding of the field's development. 2. Innovative Concepts and Theoretical Foundation: The introduction of hoxel and spactrum, based on four-dimensional Fourier transforms, represents a significant theoretical advancement. The manuscript effectively employs these concepts to address limitations in previous holographic display methods, presenting a coherent and scientifically sound approach to achieving full-color, real-time holographic displays. 3. Experimental Validation: The manuscript includes detailed descriptions of experimental setups and results, such as the use of a 4K flat-panel displayer combined with microlens arrays and HFS. The experimental validation of these concepts with specific parameters and results provides strong empirical support for the proposed methods, reinforcing their scientific and technical validity. 4. Technical Rigor: The rigorous application of mathematical formulations and the detailed explanation of holographic sampling processes, including the optimization of lens apertures and angular resolutions, demonstrate a high level of technical accuracy. This precision in addressing and solving complex issues related to holographic displays further underscores the manuscript's scientific robustness.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	references are not recent one Suggestions for Additional References: 1. Recent Advances in Holography: - o "Recent Advances in Holographic Display Technology" - A review or overview of recent developments in holographic displays and technology. - o "Holographic Displays and Three-Dimensional Imaging: Current Status and Future Directions" - Articles that provide insights into the latest technologies and future directions in the field. 2. Applications of Digital Holography: - o "Applications of Digital Holography in Augmented Reality and Virtual Reality" - Exploring how digital holography is being integrated into AR and VR systems. 3. Innovations in Holographic Functional Screens: - o "Next-Generation Holographic Functional Screens: Innovations and Challenges" - Recent studies or reviews on advancements and challenges in holographic functional screens.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes with bit Improvement	
Optional/General comments		

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PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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