

Optical manipulation with structured light

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ABSTRACT

We herein report on (9pt, Maximum length is 35 words.)

Keywords: structured light, optical manipulation,,,,, (5-10 keywords)

1. INTRODUCTION

There has been a rapid growth in laser control in a space domain, so-called “structured light” with the engineered wavefront or polarization in real space [1].

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2. EXPERIMENTS

(Paper size should be 21 cm x 29.7 cm A4 size. Margins should be set for a 3.5 cm top, a 2.5cm bottom, and a 2cm left and right. The paper should be written within 3 pages. The font should be Times New Roman. The title should be in 14 pt., bold. Authors’ names should appear as first name, and/or middle name followed by surname. Main text should be in 11 pt.)

3. CONCLUSION

This demonstration finds the capacity for the manipulation of topologically protected quasiparticles in materials with the use of structured light, that is light-induced materials manipulation.

Fig. 1. Experimental setup. (Maximum number of figures – 3)

ACKNOWLEDGEMENTS

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REFERENCE (MAXIMUM NUMBER OF REFERENCES – 10)

- [1] R. Tamura, P. Kumar, S. R. Allam, K. Tsuda, F. Getzlaff, K. Miyamoto, N. M. Litchinitser, T. Omatsu, “Direct imprint of optical skyrmions in azopolymers as photoinduced relief structures, APL Photonics 9, 046104 (2024).
[2]