

In this paper, the chain of mutual transformations of optical singularities is demonstrated, including coherence singularities, polarization singularities of different kinds, and phase singularities. It is shown in what a way one can transform some type of optical singularities into another by changing one of the experimental parameters. Convenient experimental technique for diagnostics of such singularities is also described. It is shown that some of the considered singularities are generic ones, while other are non-generic, implying specific experimental conditions.

Keywords: singular optics, phase singularities, polarization singularities, coherence singularities

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