

## Referenceless wavefront reconstruction with the Talbot sensor

A methods of the restoring the optical wave front by the gradient sensor without a reference wave are discussed. The main idea is the comparison the grating images in the two successive Talbot planes. Results, obtained for the optical band are proposed to expand in the range of shorter wavelength.

**Primary authors:** BRAZHNIKOV, Denis (Taras Shevchenko National University of Kyiv); Mr KOTOV, Myhailo (Taras Shevchenko National University of Kyiv); Dr KURASHOV, Vitalij (Taras Shevchenko National University of Kyiv); DANKO, Volodymyr (Taras Shevchenko National University of Kyiv)

**Presenter:** BRAZHNIKOV, Denis (Taras Shevchenko National University of Kyiv)

**Track Classification:** Laser Physics and Optoelectronics