Oral Presentation

6:00 PM - 6:20 PM

[PRJ3]Image Quality and Display Devices Special Topics of Interest on AR/VR and Hyper Reality Chair: Andrés Vásquez Quintero (University of Ghent) Co-Chair: Tetsuji Suzuki (JVC KENWOOD) Thu. Nov 28, 2019 5:20 PM - 6:40 PM Room 108 (1F)

[PRJ3-3]Temperature Dependence Measurement of Color Speckle for Projected Fiber-out White Laser Beam from RGB Laser Module *Junichi Kinoshita¹, Keizo Ochi¹, Akira Takamori¹, Kazuhisa Yamamoto¹, Kazuo Kuroda², Koji Suzuki³, Keisuke Hieda⁴ (1. Osaka Universitry (Japan), 2. Utsunomiya University (Japan), 3. Oxide Corporation (Japan), 4. HIOKI.E.E.CORPORATION (Japan))

Keywords:laser module, color speckle, far field pattern, fiber, laser display

Temperature dependence of color speckle of the projected image of a fiber-out white laser beam from a laser module with red, green, blue laser diodes was measured. Larger temperature dependence of the red laser diode was found to greatly affect the performance of the white beam and color-speckle.