

Oral Presentation

[VHF5]Physiological and Psychophysical Factors

Chair: Hiroyasu Ujike (AIST)

Co-Chair: Masamitsu Harasawa (NHK)

Thu. Nov 28, 2019 5:20 PM - 6:40 PM Mid-sized Hall A (1F)

6:05 PM - 6:25 PM

[VHF5-3]Immanent Dichromatic in Trichromatic Observer: Based on MDS Analyses of R-G Neutral- and Y-B Only Changed- Stimuli Observation Results

*Shoko Hira¹, Asuka Sako¹, Ryusuke Uto¹, Kota Kanari², Minoru Ohkoba², Tomoharu Ishikawa², Miyoshi Ayama², Sakuichi Ohtsuka¹ (1. Kagoshima University (Japan), 2. Utsunomiya University (Japan))

Keywords:Color development, Evolution, Immanent dichromatic, Color vision deficiency, MDS

Immanent dichromatic in color normal observers is investigated by MDS (Multidimensional-Scaling). The results show that (1) color-constellations yielded when observing R-G neutral- and Y-B only changed-stimuli strongly evidence concave-shaped like dichromic, whereas (2) those gained when observing Y-B neutral- and R-G only changed-stimuli evidence oval-shape of saturation-brightness.