

Poster Presentation

[VHFp1]Image Quality

Thu. Nov 28, 2019 2:30 PM - 5:00 PM Main Hall (1F)

2:30 PM - 5:00 PM

[VHFp1-3L]The Color Difference Modification between Direct view and Side view after Color Adaptation on LCD

*Qi-Lun Wu¹, Chien-Wen Chen¹ (1. AU Optronics Corporation (Taiwan))

Keywords:Color difference formula, color adaptation, LCD

In this study, the color adaptation phenomenon was considered to adjust the CIE dE_{00} formula, and a direct and side view color difference formula on liquid crystal display (LCD) was established. From the results of psychophysical experiments, the formula for considering color adaptation has a high correlation ($R^2 = 0.86$).