

Poster Presentation

## [VHFp1]Image Quality

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

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2:30 PM - 5:00 PM

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

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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 ( $R^2 = 0.86$ ).