Comments and Corrections

Corrections to "Analytical Solutions for Uniaxial-Film-Compensated Wide-View Liquid Crystal Displays"

Xinyu Zhu, Zhibing Ge, and Shin-Tson Wu

In the above paper [1, p. 8], equation (14) has omitted two square signs inside the first radical of the denominator. The corrected equation is as follows:

$$d_{a+} = \lambda \frac{\frac{1}{2} - \frac{\cos^{-1}\left(\text{ctg}^2\varphi\right)}{2\pi}}{n_{a+,e}\sqrt{1 - \frac{\sin^2\theta_0}{2n_{a+,e}^2} - \frac{\sin^2\theta_0}{2n_{a+,o}^2}} - n_{a+,o}\sqrt{1 - \frac{\sin^2\theta_0}{n_{a+,o}^2}}}.$$
(14)

Also, [1, p. 18], equation (33) has omitted two parentheses in the denominator. The corrected equation is as follows:

$$d_{c-} = -\lambda \frac{\frac{\cos^{-1}\left(\frac{-\cos 2\varphi}{\sin \varphi}\right) + \frac{\Gamma_{\text{LC}}}{2}}{2\pi}}{n_{c-,o}\left(\sqrt{1 - \frac{\sin^2\theta_0}{n_{c-,e}^2}} - \sqrt{1 - \frac{\sin^2\theta_0}{n_{c-,o}^2}}\right)}.$$
(33)

REFERENCES

[1] X. Zhu, Z. Ge, and S.-T. Wu, "Analytical solutions for uniaxial-film-compensated wide-view liquid crystal displays," *J. Display Technol.*, vol. 2, no. 1, pp. 2–19, Mar. 2006.

X. Zhu and S.-T. Wu are with the College of Optics and Photonics, University of Central Florida, Orlando, FL 32816 USA (e-mail: xzhu@mail.ucf.edu; swu@mail.ucf.edu).

Z. Ge is with the Department of Electrical and Computer Engineering, University of Central Florida, Orlando, FL 32816 USA (e-mail: zge@mail.ucf.edu).