

Abstract Submitted
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Effect of the polymer concentration on the ON/OFF states of a TN-LCD: polyvinyl alcohol vs. soy lecithin ROMEO DE COSS MARTINEZ, JOSE LUIS GONZALEZ MURGUIA, Facultad de Ingenieria - UADY — In this work we study the response of a Twisted Nematic Liquid Crystal Display (TN-LCD) by varying both the concentration and the polymer used for the microgroove. We compare the performance of two polymers: polyvinyl alcohol and soy lecithin. In particular, the light transmission for the ON/OFF states is evaluated. The polyvinyl alcohol is a polymer widely used in LCDs while lecithin soy is a natural polymer.

Romeo de Coss Martinez
Facultad de Ingenieria - UADY

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