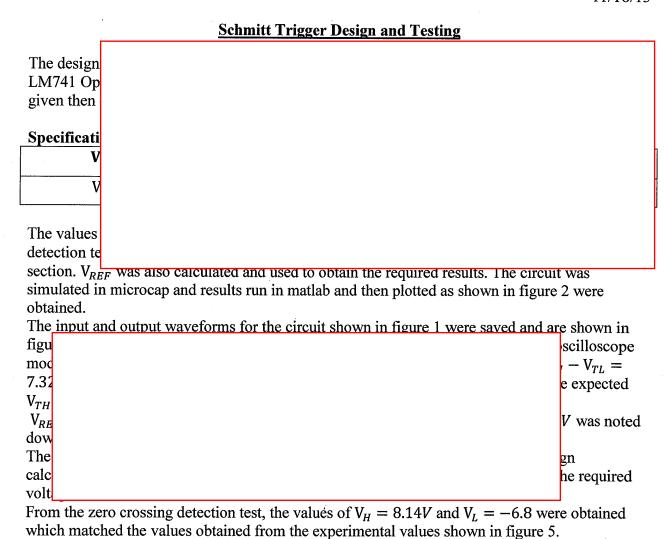
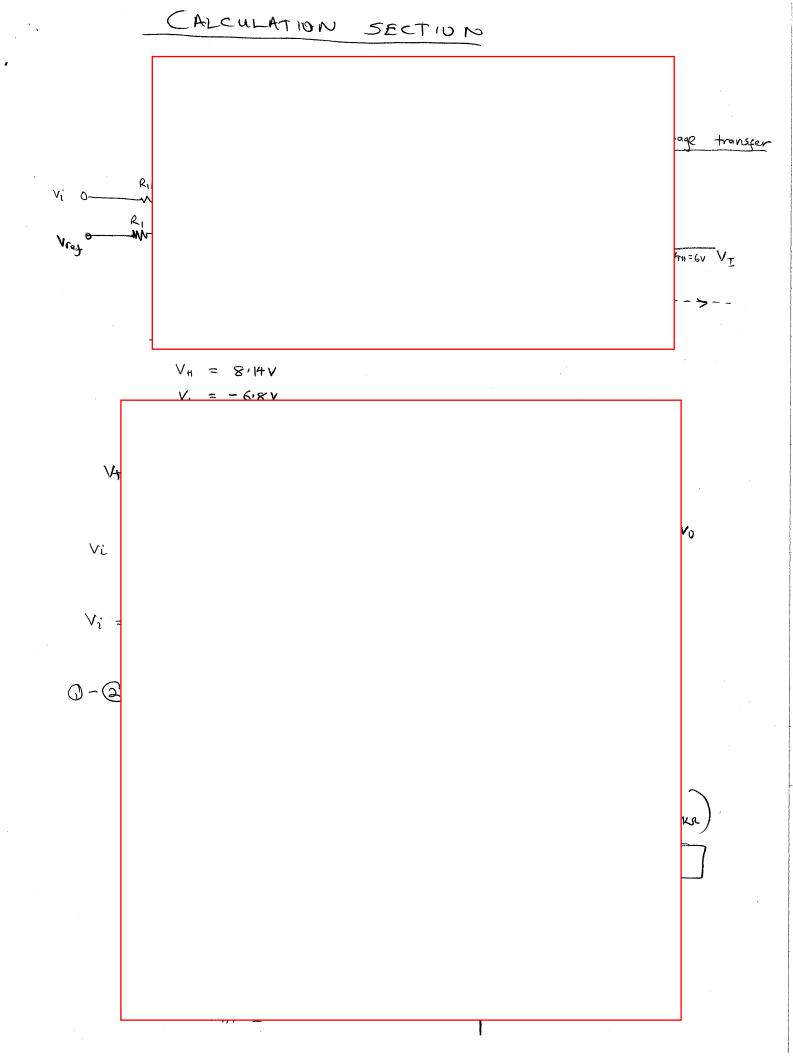
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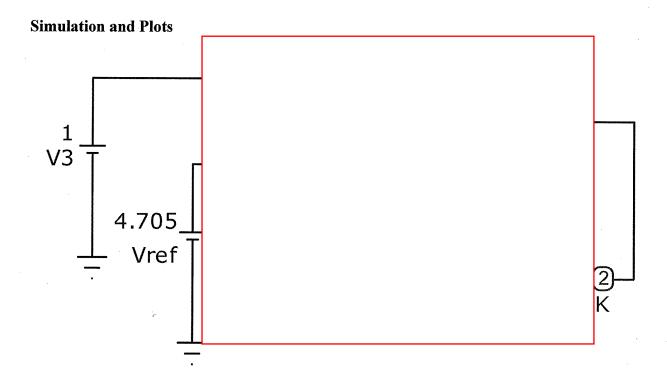
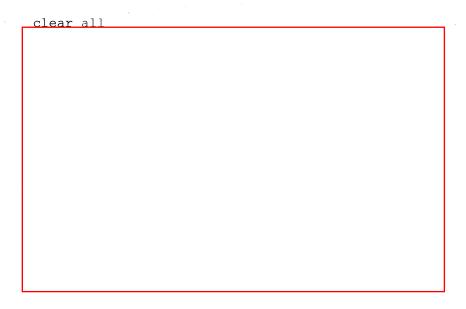


Figure 1: Schmitt trigger positive feedback circuit design



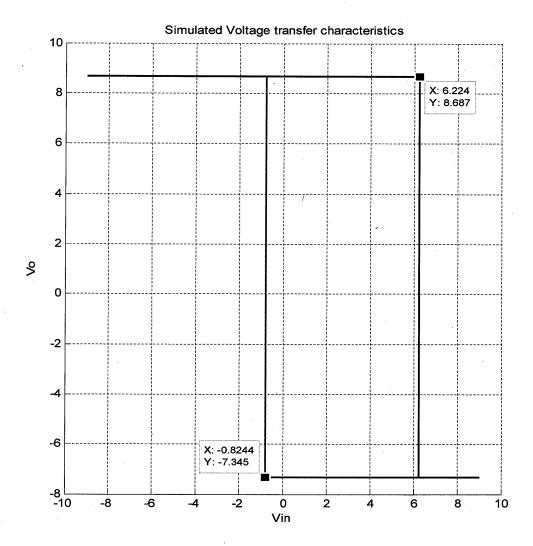


Figure 2: Simulated voltage transfer characteristics

RESULTS AND PLOTS

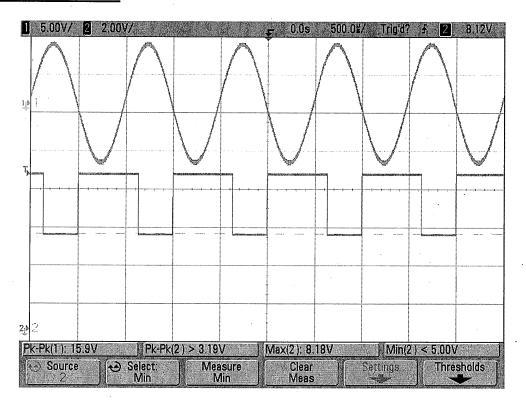


Figure 3: Schmitt trigger input and output measurements

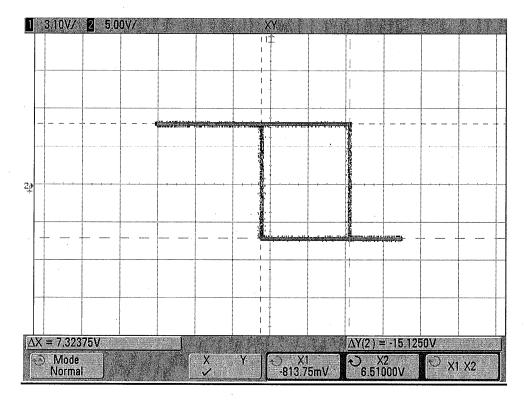


Figure 4: Schmitt trigger operation using the X-Y oscilloscope mode

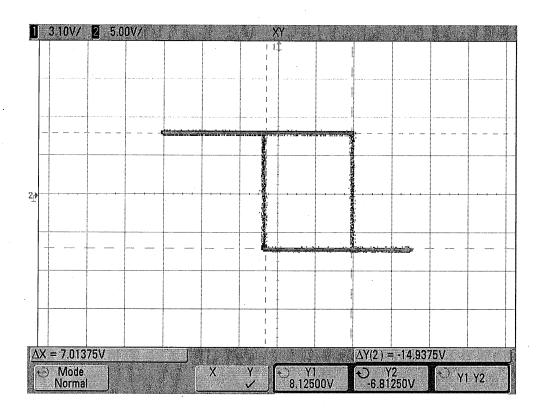


Figure 5: The V_H and V_L were obtained as 8.1250V and -6.8125V respectively

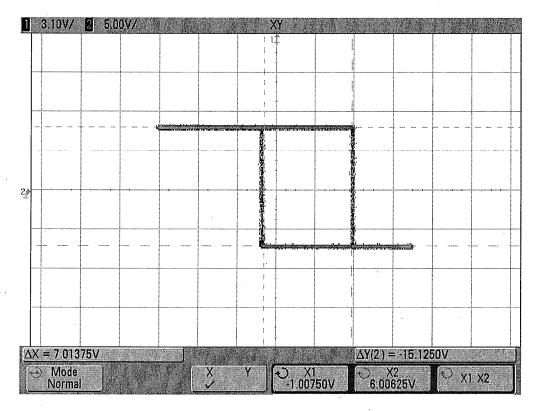


Figure 6: The V_{REF} was adjusted to 4.0V and the expected V_{TH} and V_{TL} values of 6.0V and -1.0V respectively were observed