To: X3T10 Membership X3T10/96-129r0

From: Wally Bridgewater Subject: Voltage Driven Outputs

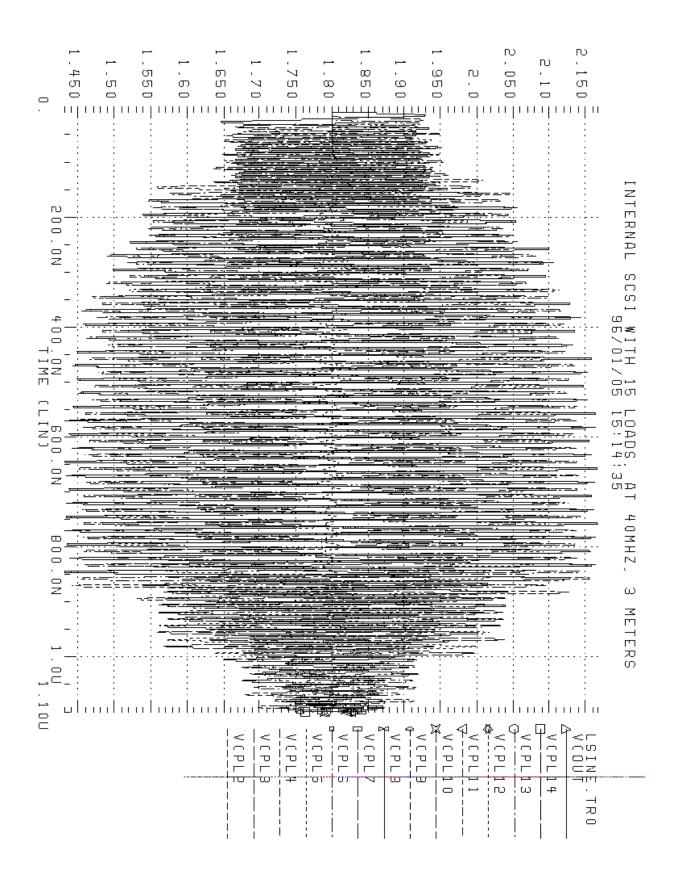
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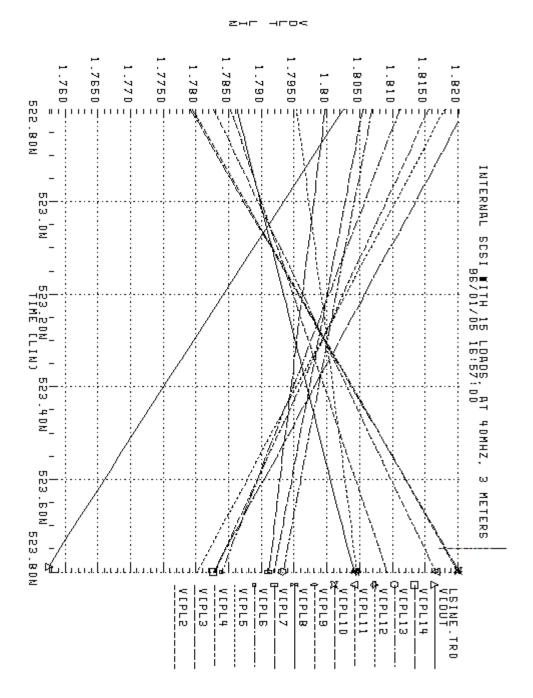
Need slew rate control if output is directly connected to output. Should use series termination resistor, maybe \sim 30 ohms. Figure 2.

This means only real difference between current mode and voltage mode outputs, is where the resistors go, source or drain. Figures 2 & 3.

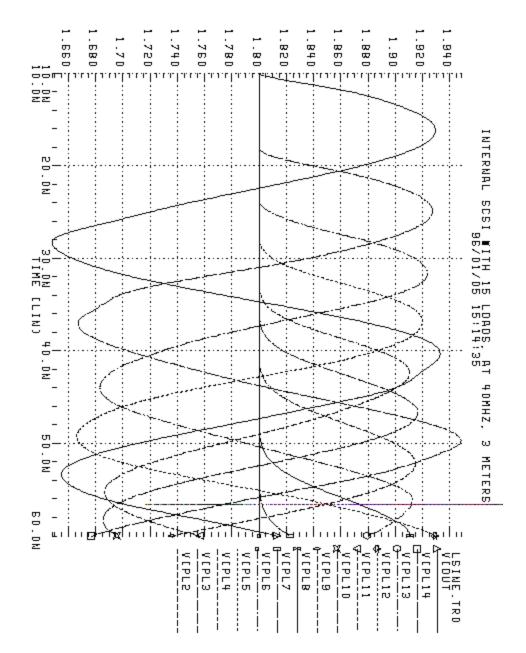
For spice circuit simulations, couldn't see much difference between figure 2 (voltage mode) or figure 3 (current mode), but simulations didn't work either way.

Found a problem with the cables! What do we do about standing waves? Found in spice simulations and lab measurements.

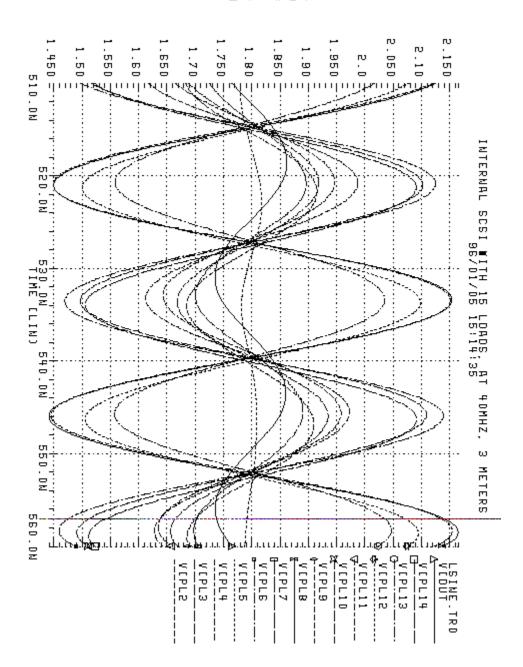




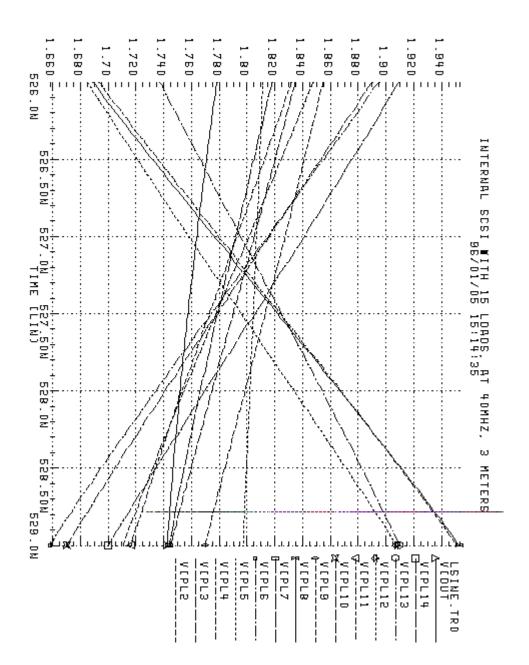
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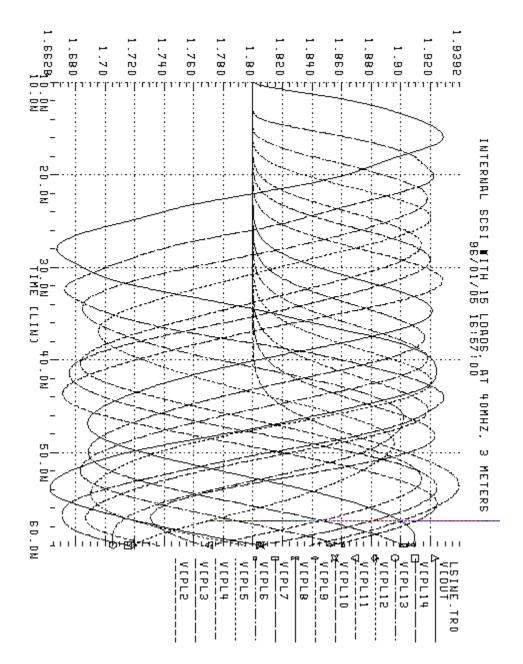
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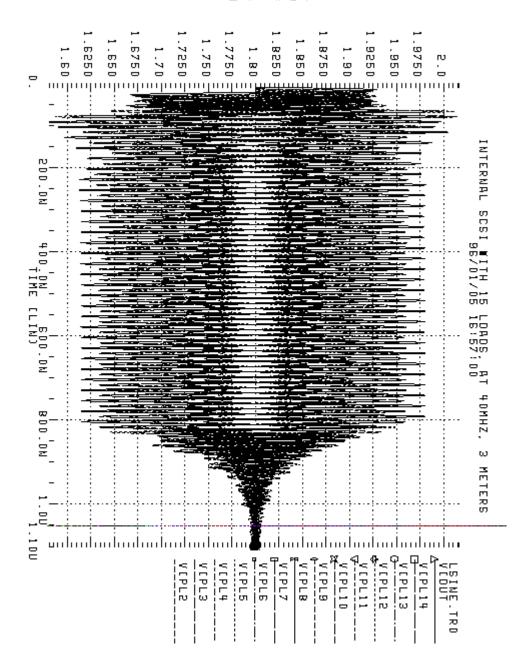
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