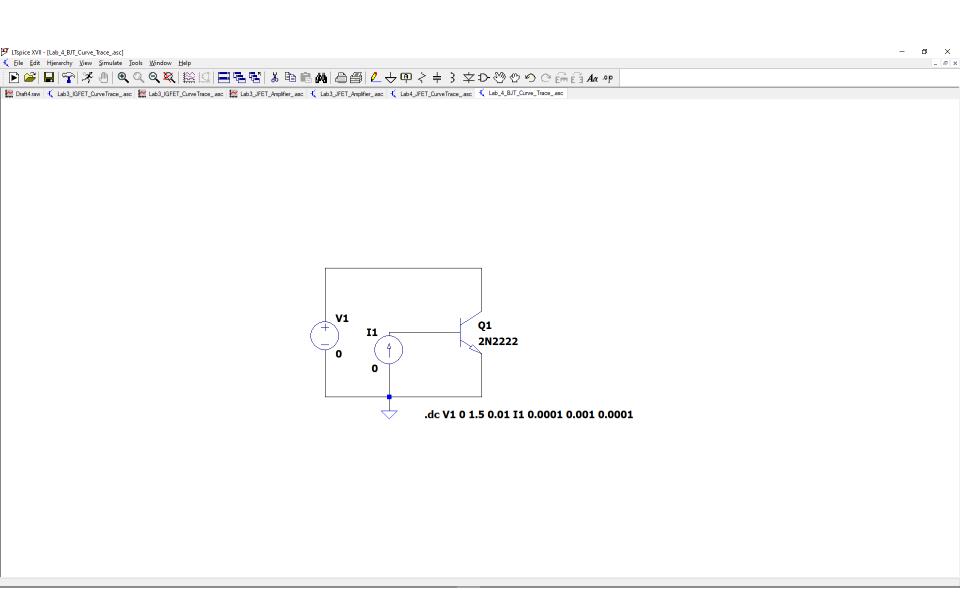
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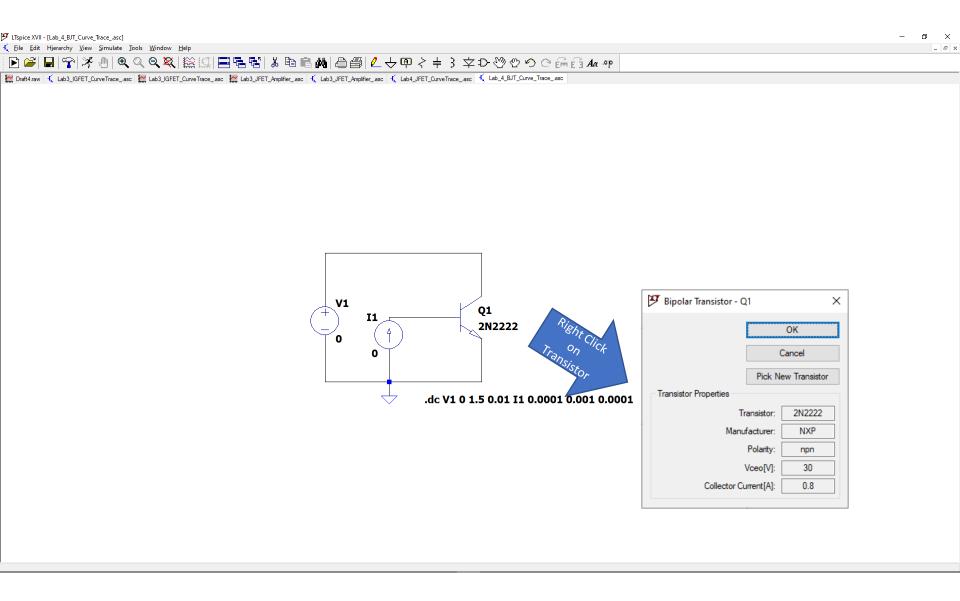
March 26, 2020

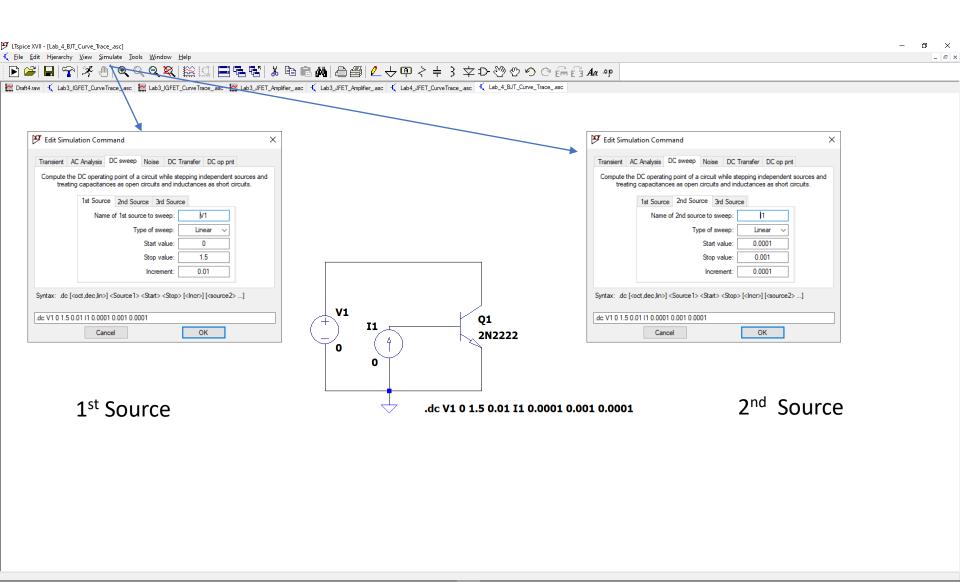
Directions Concerning The Curve Tracer in Lab 4

- These slides are intended to replace parts 1,2, and 3 in the Procedure portion of Lab 4. These steps initially required a Tektronix Curve Tracer. A Curve Tracer is to be simulated in LT-Spice.
- 1. Download and install LT-Spice onto your machine if you haven't already done so. https://www.analog.com/en/design-center/design-tools-and-calculators/ltspice-simulator.html#
- Open the file 'Lab_4_BJT_Curve_Trace_.asc'.
- 3. Follow the remaining slides to operate this virtual curve tracer on your machine.
- 4. Export the data to Lab_4_BJT_Curve_Trace_.txt and place in an Excel Spread Sheet.
- 5. In today's Lab I'll provide more specific instructions on how to estimate Beta and the piece-wise linear model found in the Lab 4 instructions.



Lab 4 Curve Tracer as Simulated in LT-Spice





Running the Simulation

