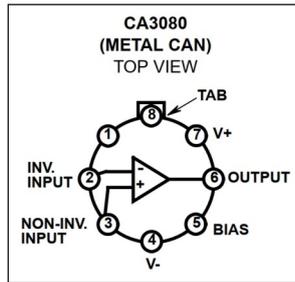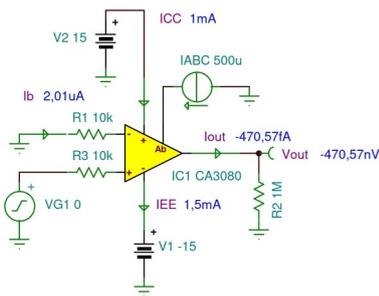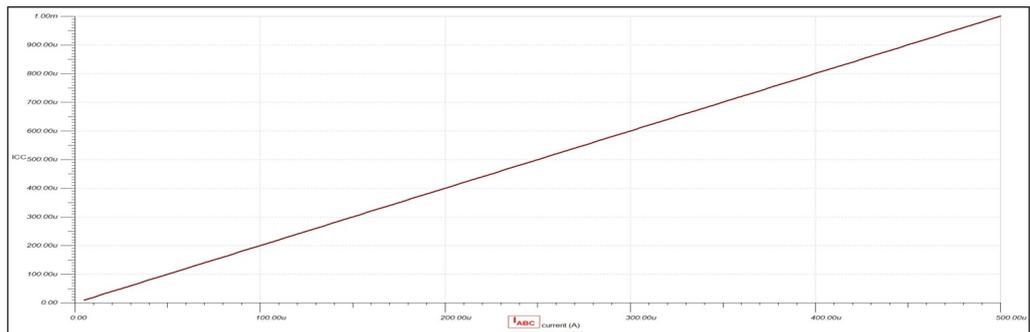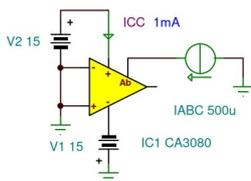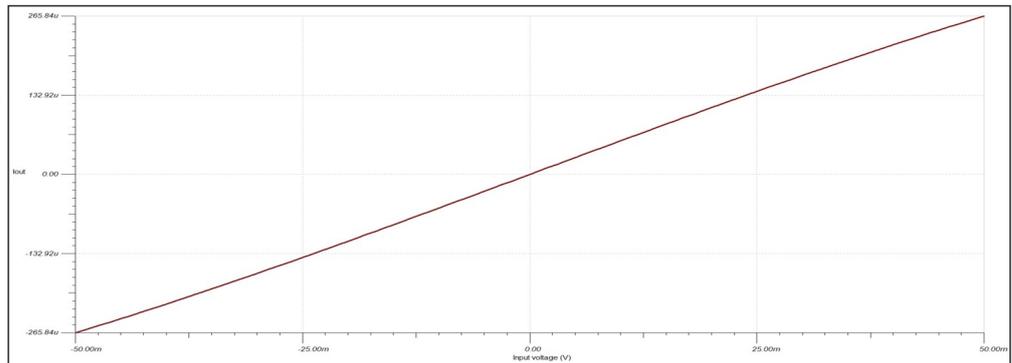# CA3080 Operational Transconductance Amplifier Macro Model

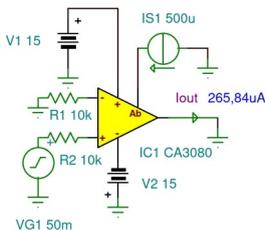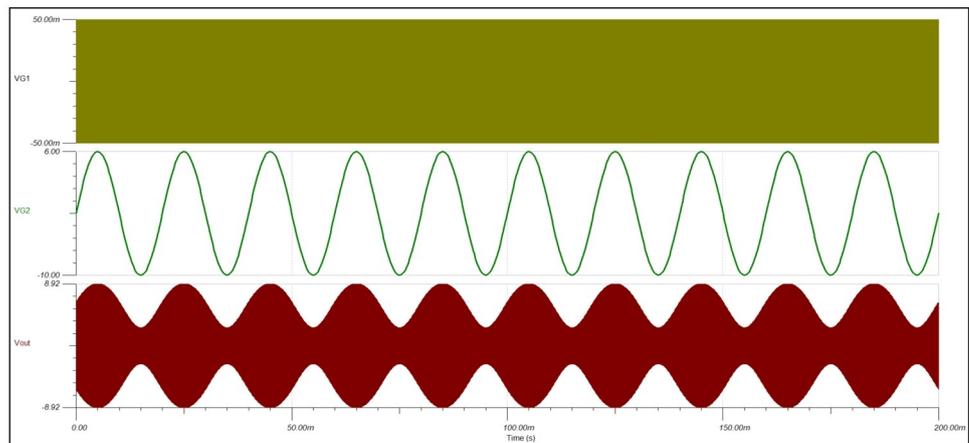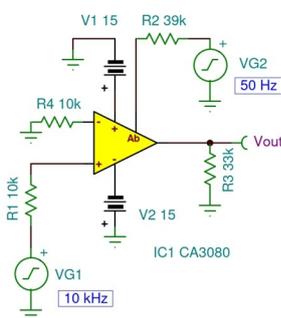## DC Characteristics

Amplifier Supply Current vs Amplifier Bias Current

Output Current vs Input Voltage (I_{ABC} = 500 µA)

Amplitude Modulator

The modulator's linearity improves when the BIAS input is not driven by a voltage source with a series resistance. Superior performance is obtained by driving the BIAS node with a current source instead, for example by using the collector of a PNP transistor as the bias current source.

Zabb Csaba