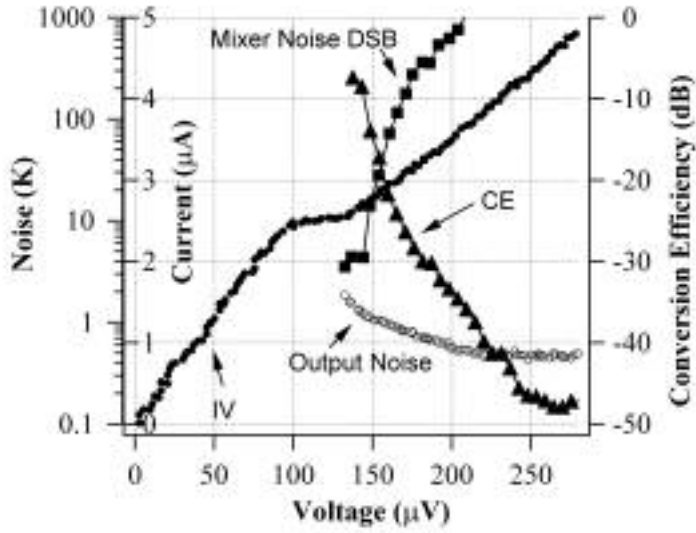


**Figure 4**

**Fig. 4:** Conversion Efficiency, Output Noise, and Mixer Noise vs. Bias Voltage for Device A.  $T=0.25\text{K}$ .  $H=1.2\text{kOe}$ .