(a) Drain Current $I_d$ as a function of Gate Voltage $V_g$ for different $G2$ bias levels:
- Green line: $G2=0V$
- Pink line: $G2=-0.2V$
- Light green line: $G2=-0.4V$
- Red line: $G2=-0.6V$
- Black line: $G2=-0.8V$
- Dark red line: $G2=-1V$
- Cyan line: $G2=-2V$
- Blue line: $G2=-3.5V$

The threshold voltage $V_{th}$ is indicated by the dotted line.

(b) Threshold Voltage $V_{th}$ vs. Bias-Gate Voltage $G2$:
- Slope $=-1.23 \, V/G2$ bias $V$