

The following are the simulation outputs for Vref 1.235194V. The sky130 devices considered in the circuit are sky130\_fd\_pr\_\_res\_high\_po\_0p35, sky130\_fd\_pr\_\_pfet\_g5v0d10v5, sky130\_fd\_pr\_\_nfet\_g5v0d10v5

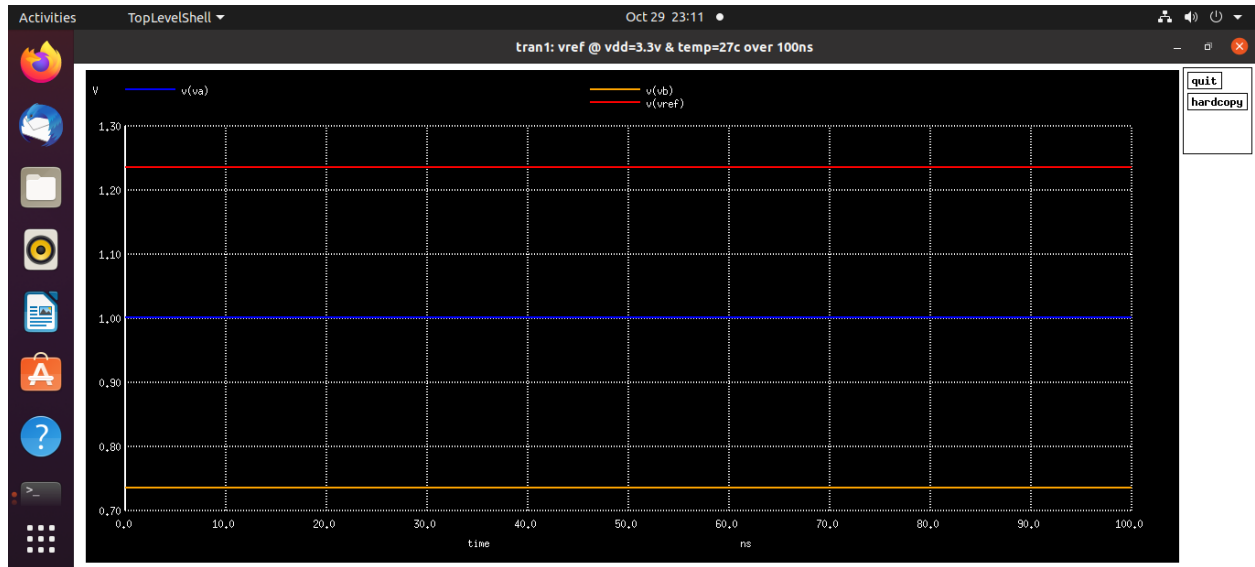


Figure 1: Vref 1.235V -Trans Analysis with Rpoly

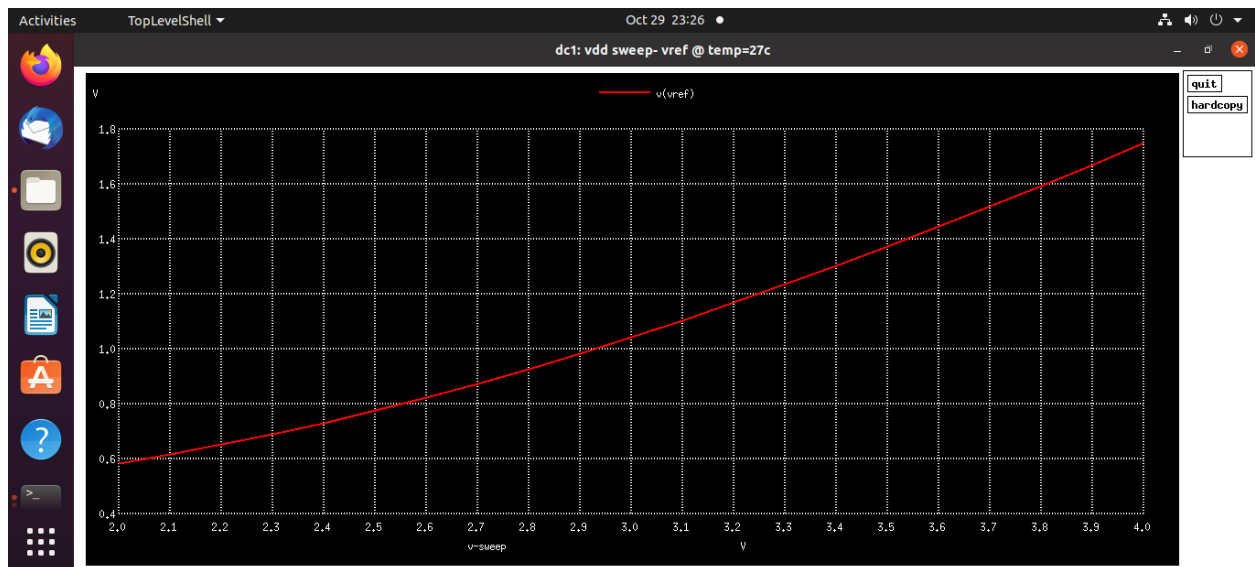


Figure2- BGR Vdd sweep with Rpoly for Vref 1.235V

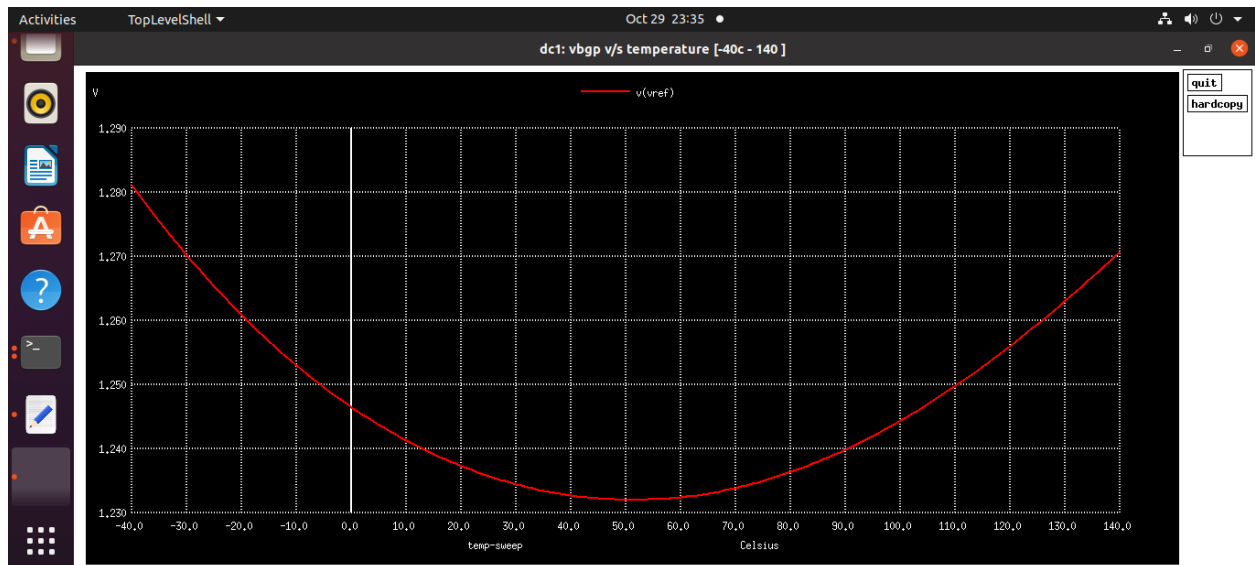


Figure3- BGR Temp sweep with Rpoly for Vref 1.235V

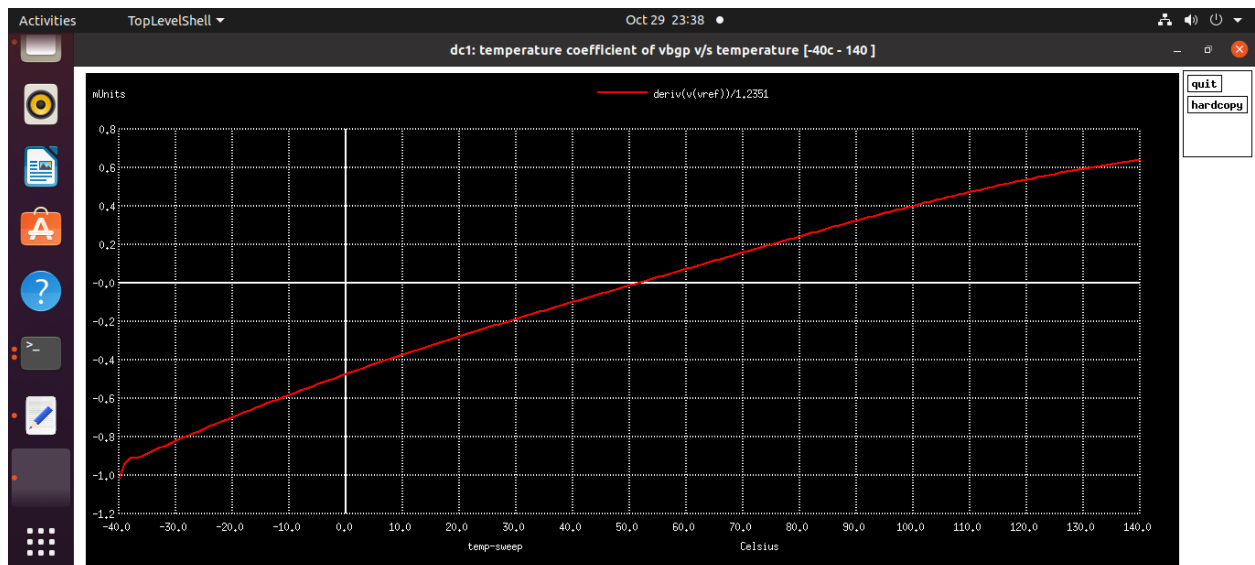


Figure4- BGR PPM var with Rpoly for Vref 1.235V

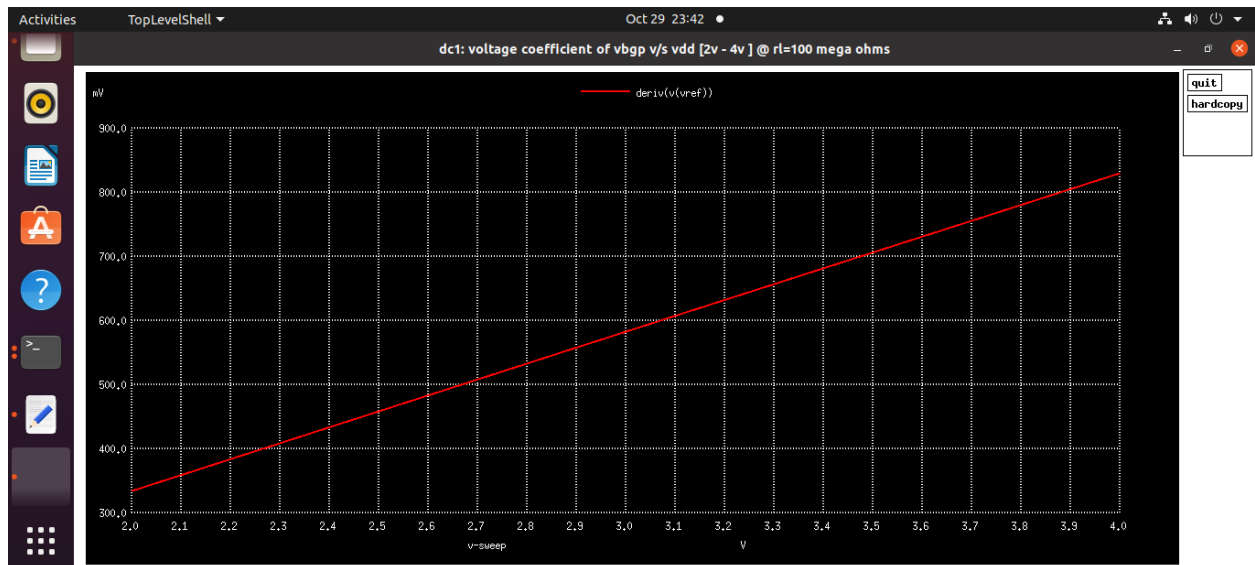


Figure5- BGR VC Analysis with Rpoly for Vref 1.235V

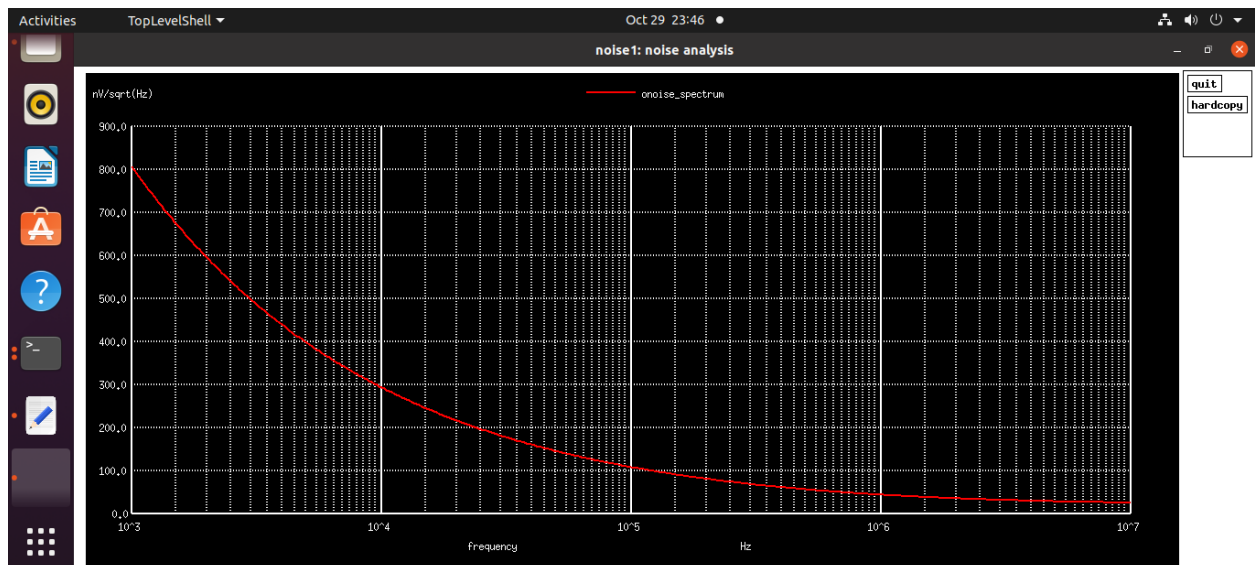


Figure6- BGR Noise analysis with Rpoly for Vref 1.235V