微电子专业基础实验作业

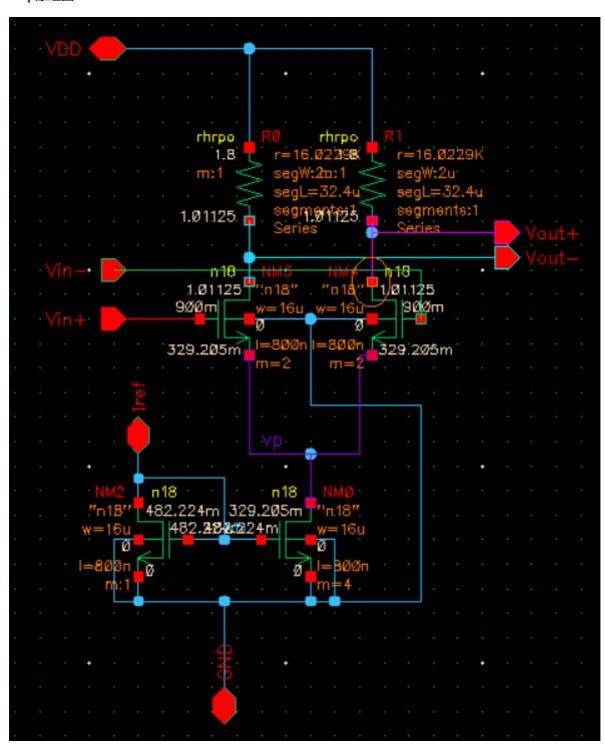
PB21511897 李霄奕

模拟部分

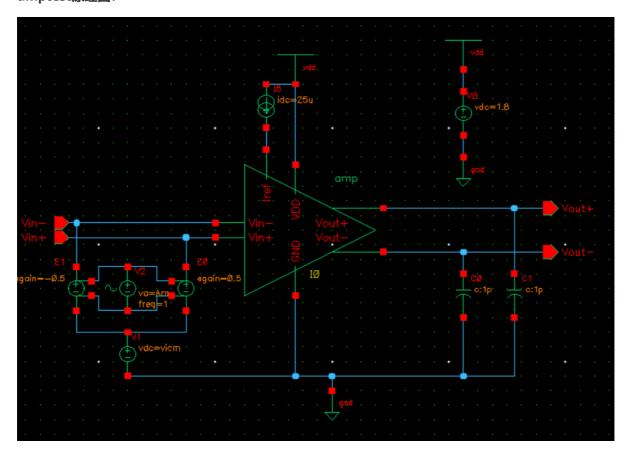
实验3

原理图

amp原理图:

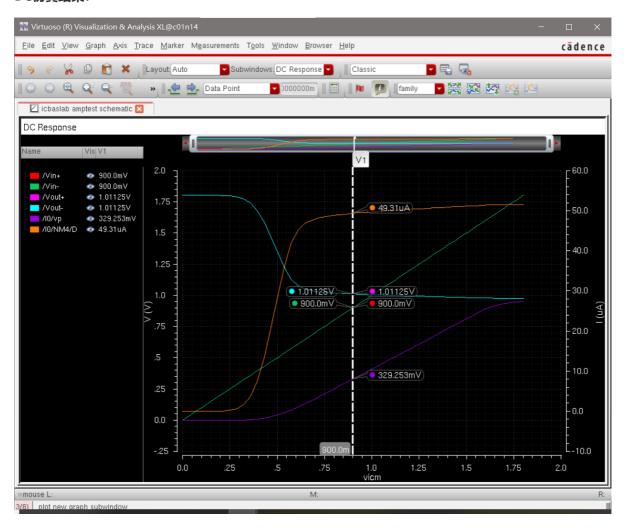


amptest原理图:

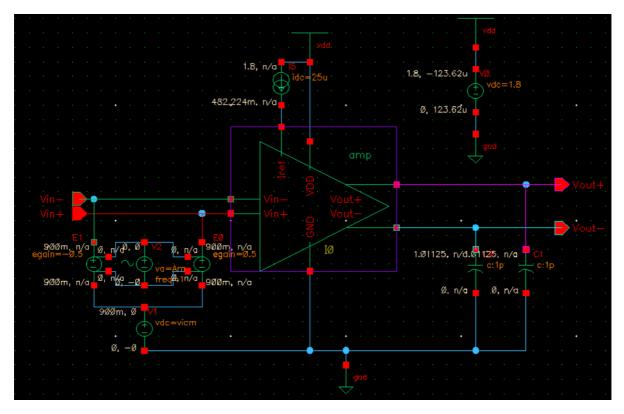


DC仿真

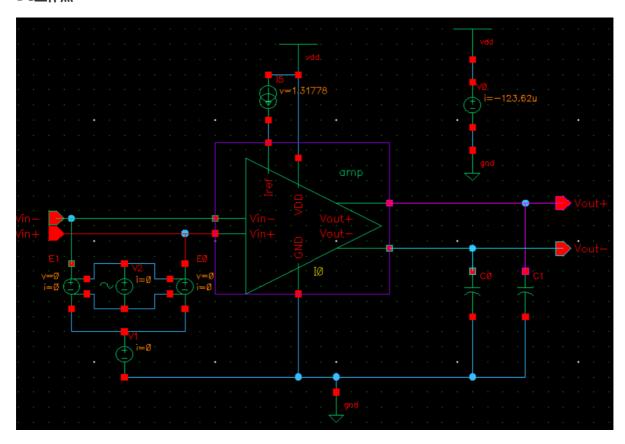
DC仿真结果:



DC电流电压

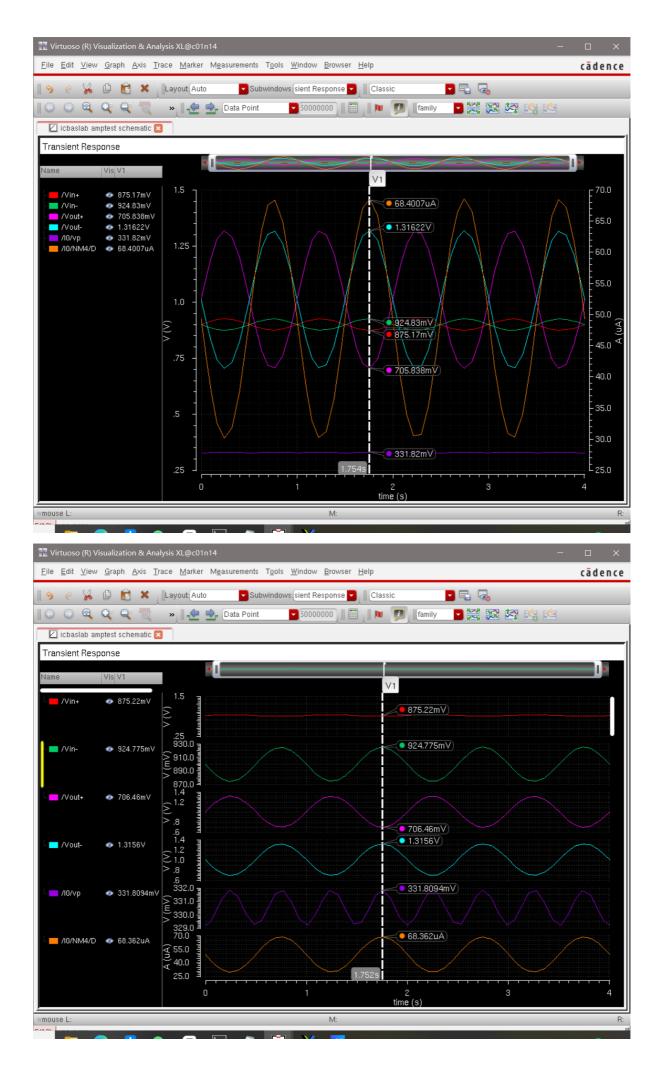


DC工作点

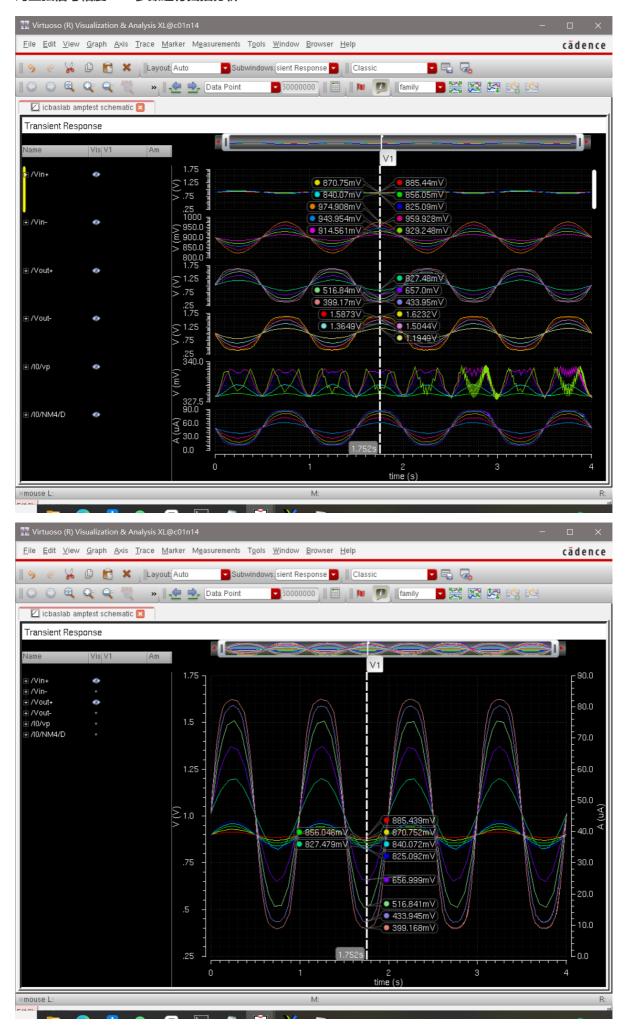


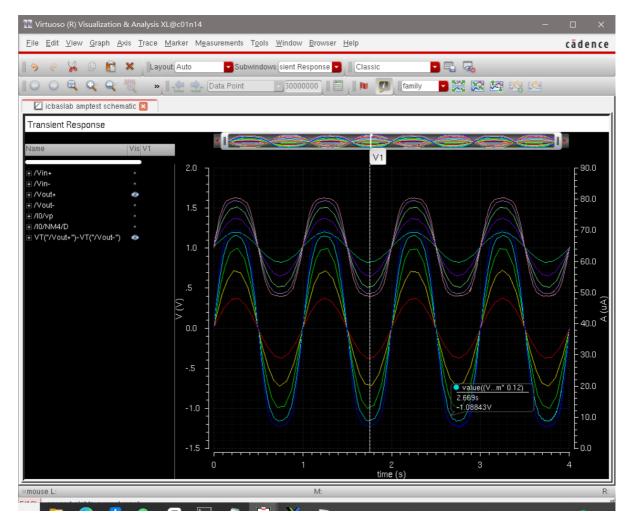
Tran仿真

Tran仿真结果



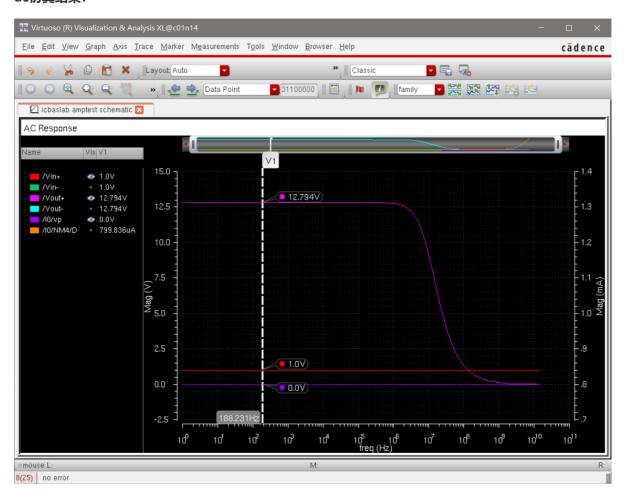
对正弦信号幅度 Am 参数进行扫描分析:



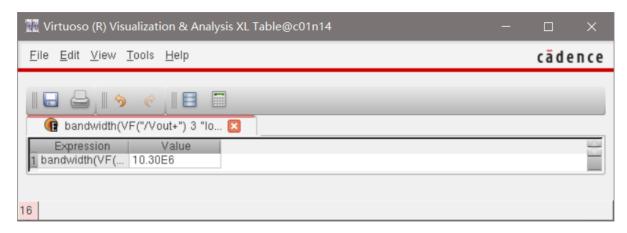


AC仿真

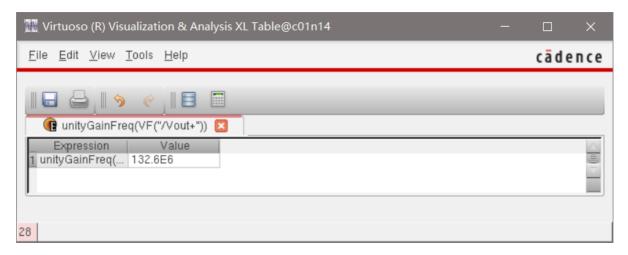
ac仿真结果:



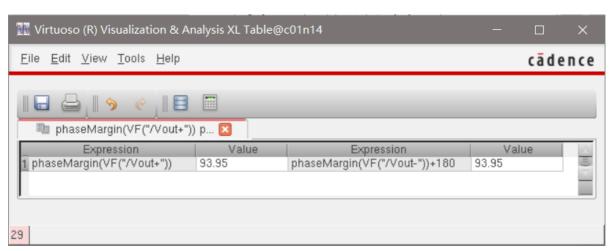
3dB带宽:



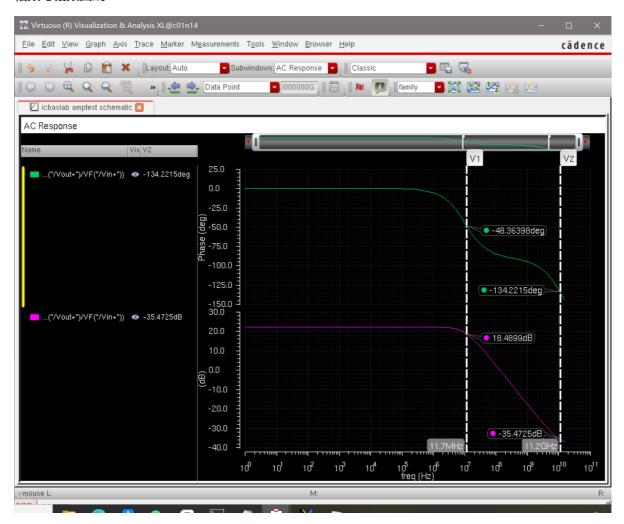
单位增益带宽:



相位裕度:

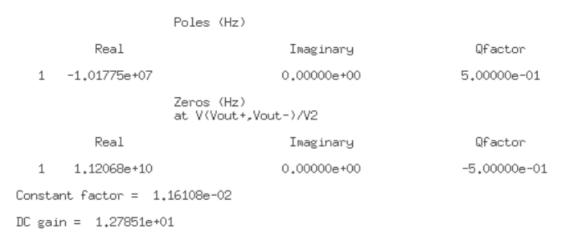


幅频与相频曲线:



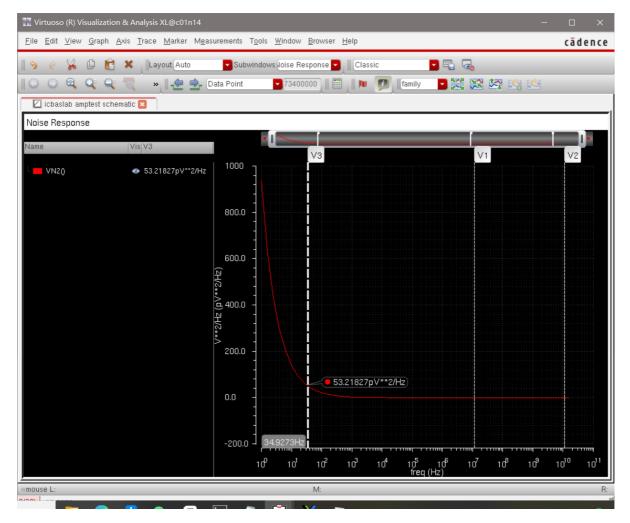
零极点仿真

零极点分析:

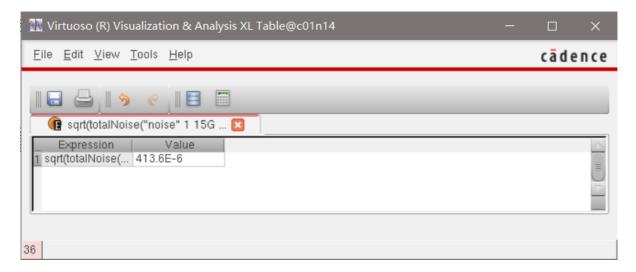


噪声仿真

噪声分析:



输出噪声电压:



输出噪声电压谱:

