



清华大学

JFET放大电路

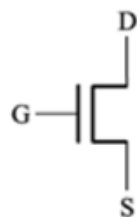
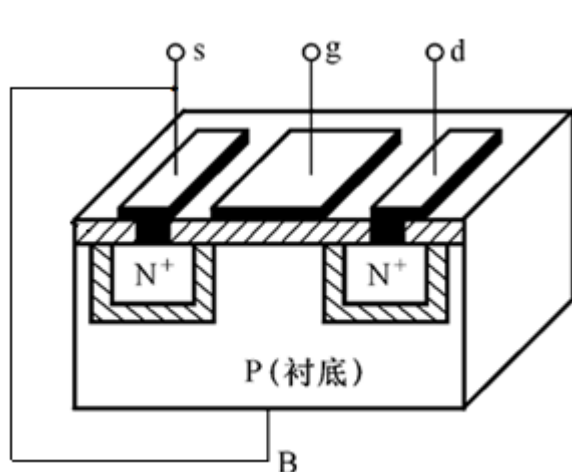
清华大学自动化系

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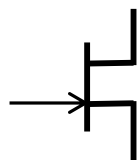
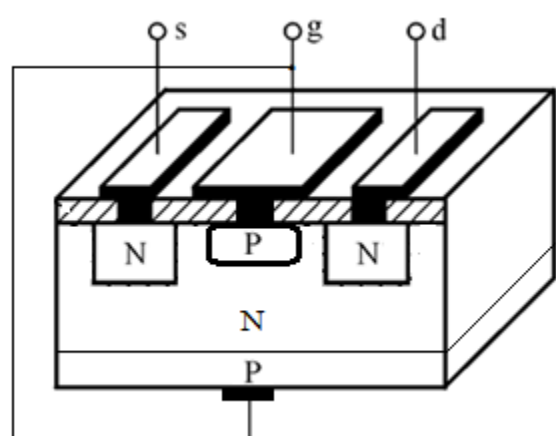


什么是JFET?

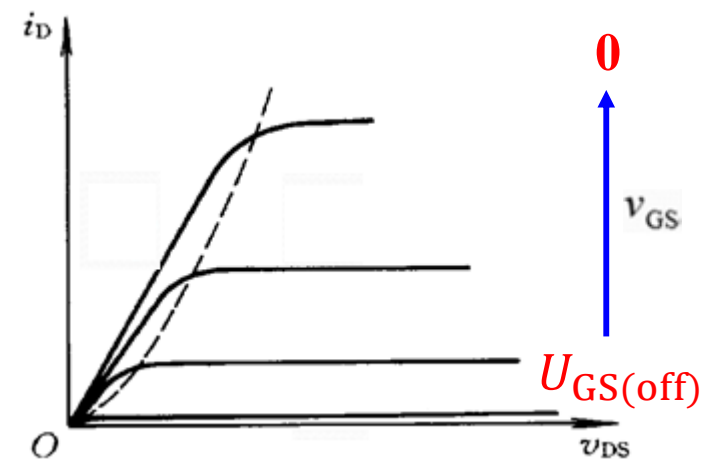
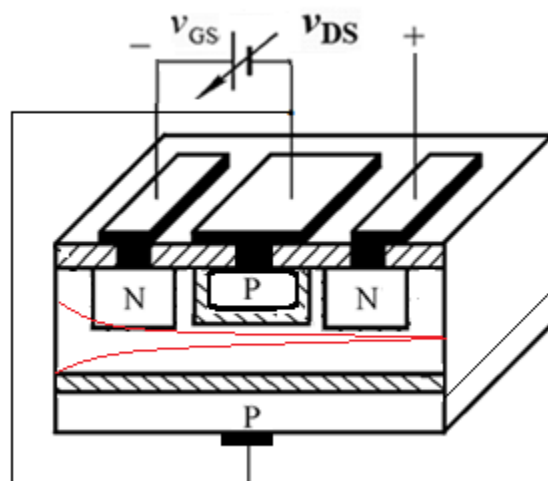
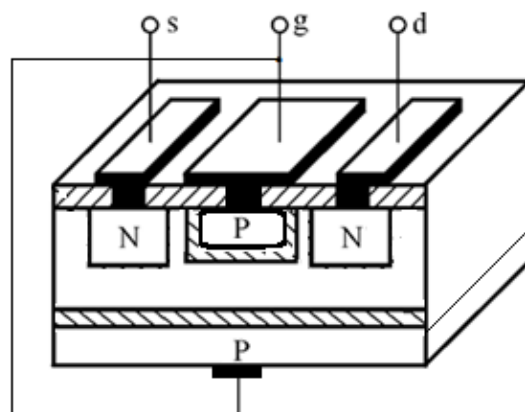
JFET: Junction Field Effect Transistor 结型场效应晶体管



MOSFET

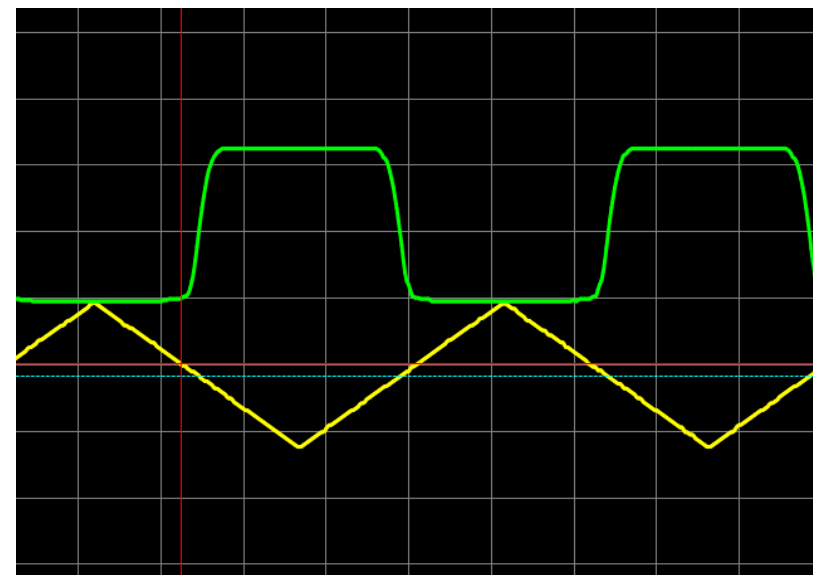
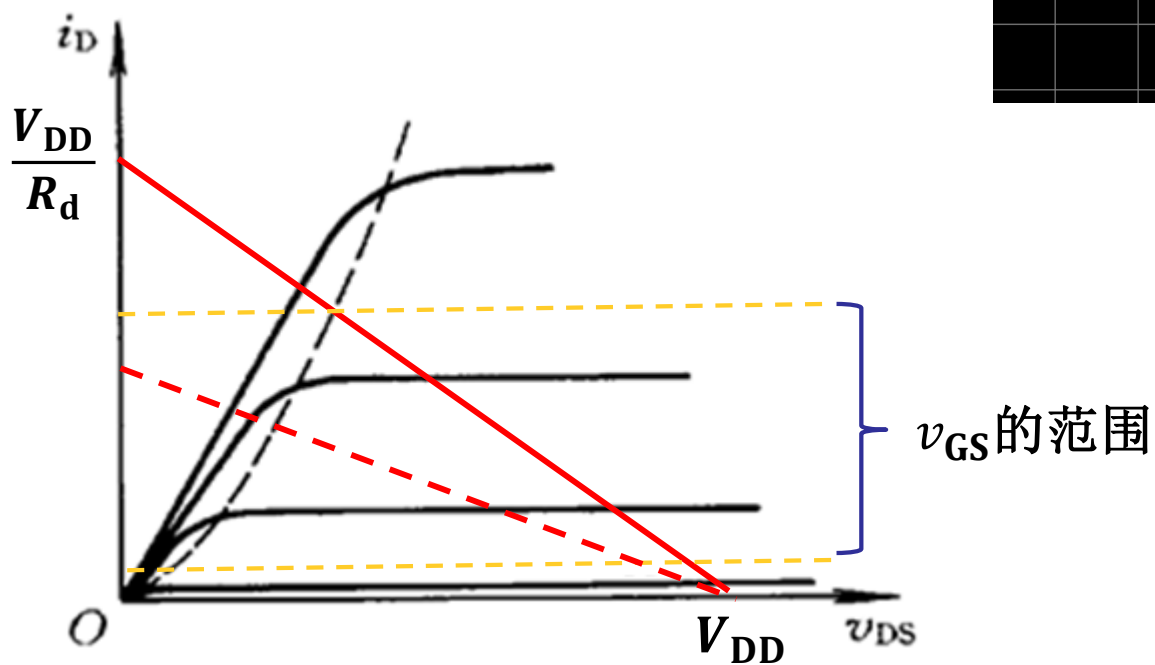
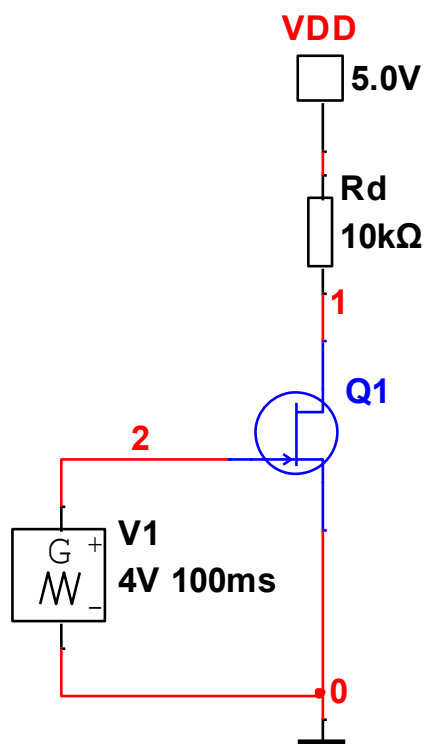


JFET



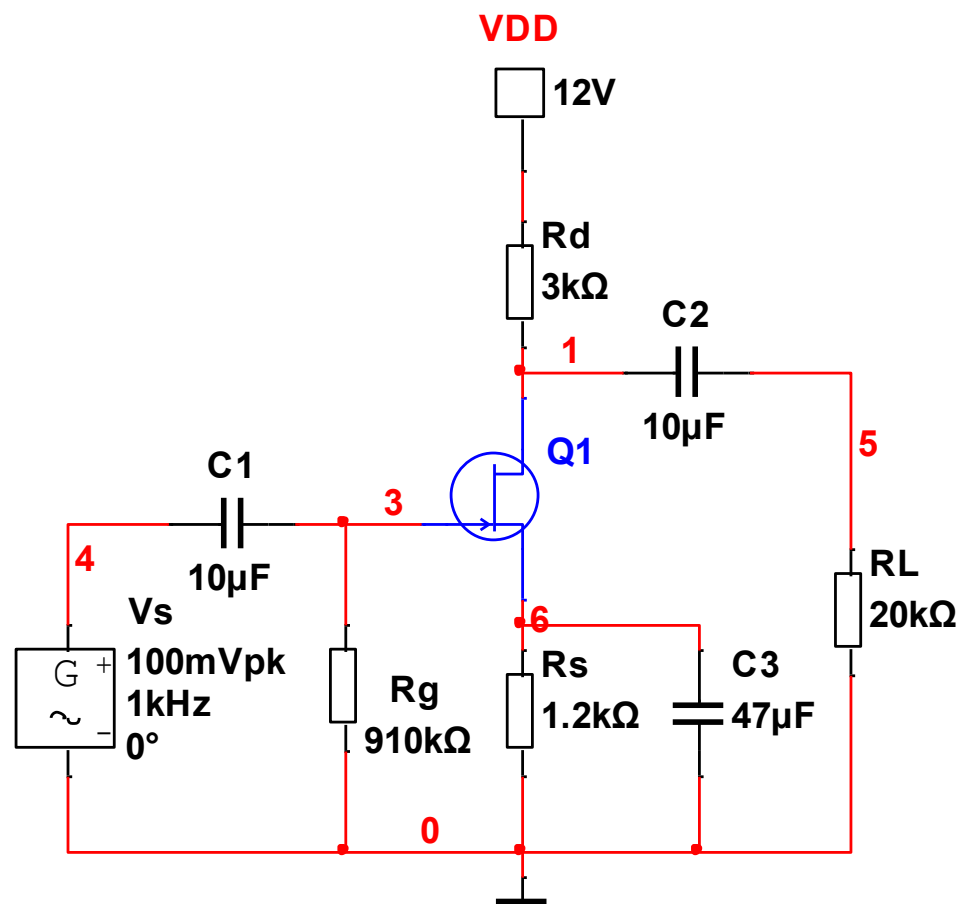


实验电路1:





实验电路2:

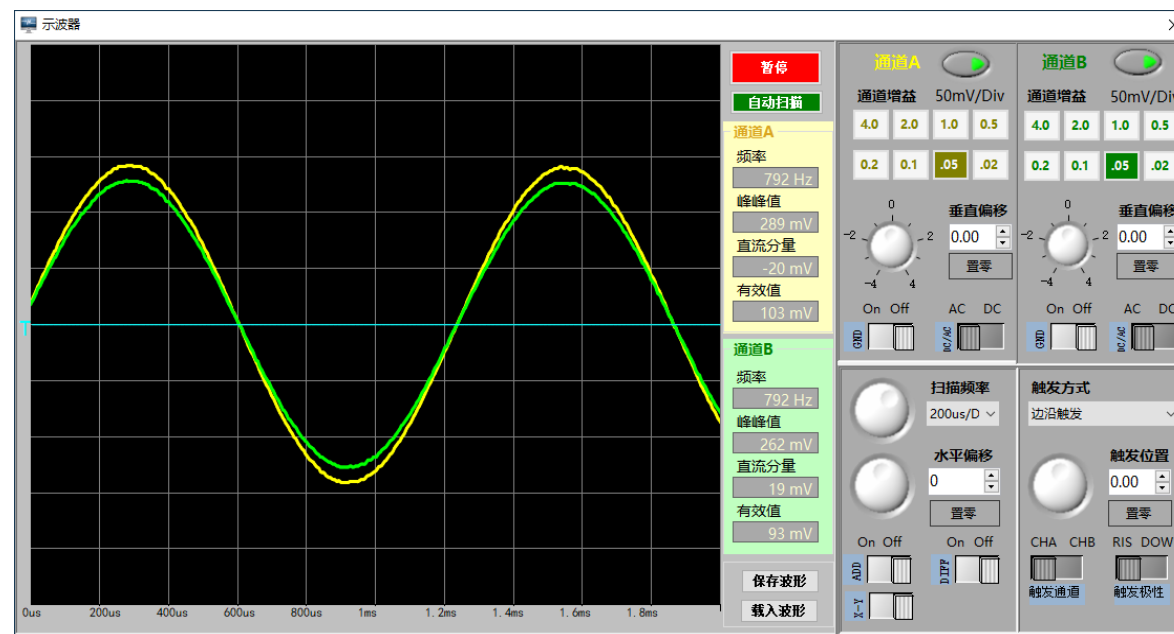
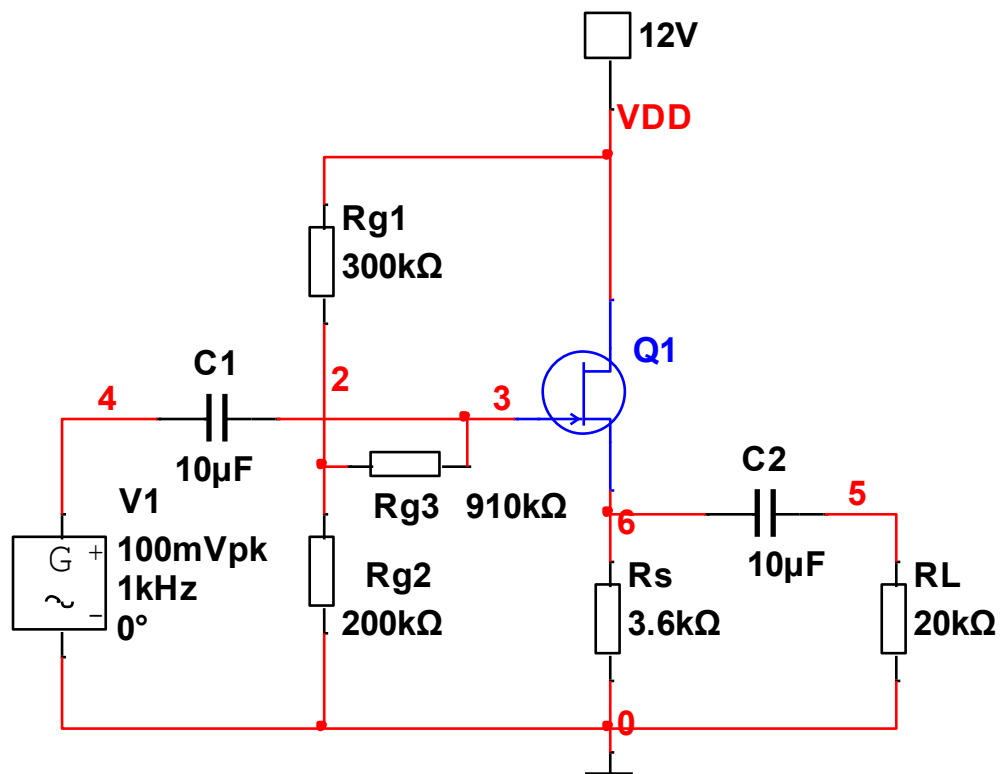


讨论:

- ✓ R_g 的取值
- ✓ R_s 的作用
- ✓ 如何来设计电路参数
- ✓ 静态工作点的测量



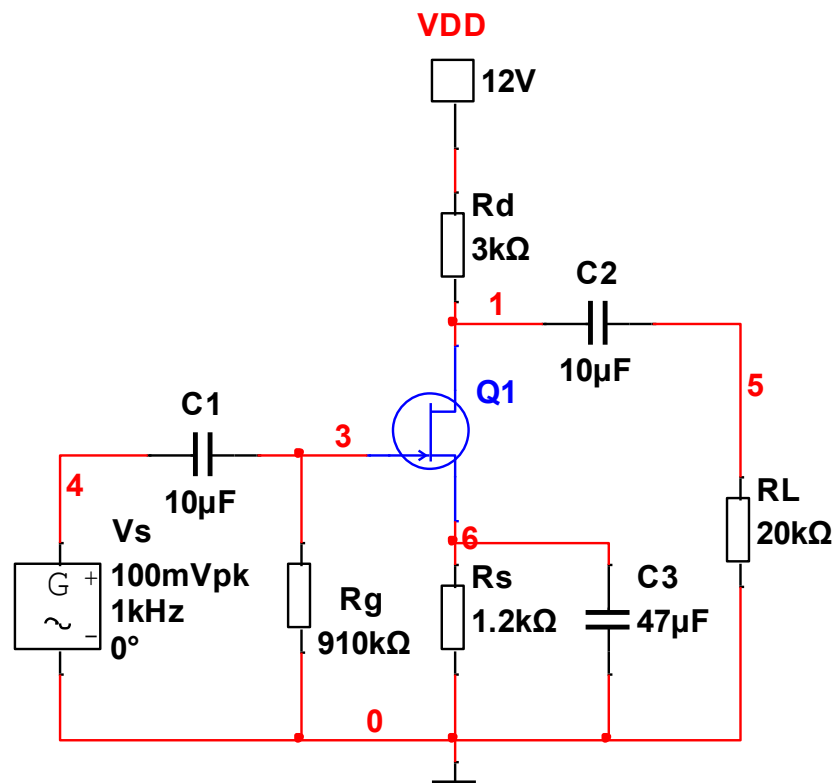
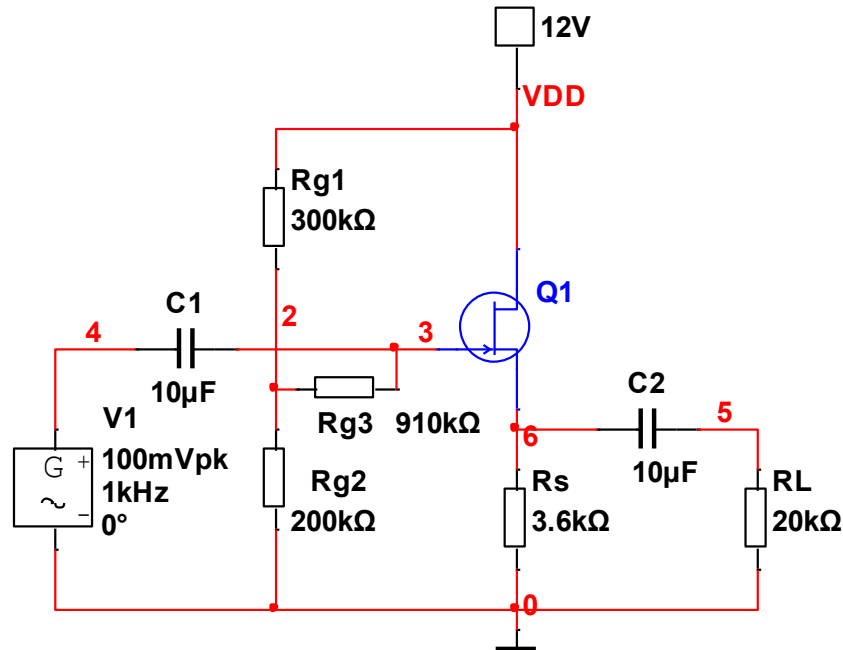
实验电路3:





开放实验

对两种组态的JFET放大电路进行静态和动态特性研究
测量共漏放大电路的输出电阻，倒推得到2N5486的 g_m
用P沟道JFET构成放大电路





欢迎投稿及交流~