



**MESFET1**  
 LEVEL=5  
 Vto=-1.8  
 Beta=3e-3  
 Alpha=2.25  
 Lambda=0.05  
 B=1e-9  
 Qp=2.0  
 Delta=0.1  
 Vmax=0.5  
 Vdelta1=0.3  
 Vdelta2=0.2  
 Gamma=0.015  
 Cgd=0.2e-12  
 Cgs=1e-12  
 Cds=1e-12  
 Ng=2.65  
 Nd=-1.9e-1  
 QLEVELS=3  
 QLEVELD=3  
 Rg=5.1  
 Rd=1.3  
 Rs=1.3

**Parameter sweep**

SW1  
 Sim=DC1  
 Type=lin  
 Param=Vds  
 Start=0  
 Stop=10  
 Points=101

**Parameter sweep**

SW2  
 Sim=SW1  
 Type=lin  
 Param=Vgs  
 Start=-5  
 Stop=0  
 Points=12