

Tools & Environment

PC with MS applications, Acrobat to produce documentation

ICCAP for parameter extraction

- HP with HPUX 10.2, GPIB interface**
- SUN with Solaris 2.5, LAN gateways**

Mathematica for visualization & data processing

wafer measurements, exception: 1/f-measurements on packaged devices

external simulators

- in use: ELDO, HPEESOF, HSPICE, MNS, SPECTRE, PSPICE (to be phased out)**
- plan: SABER**

model generators: SCALIB, TRADICA

device & process simulation: DEVICE, ATLAS, ATHENA

to do: on top of DC, AC & CV measurements use additional data

- distortion**
- load-pull**

processes: 3 under work, 24 to maintain

SiGe1

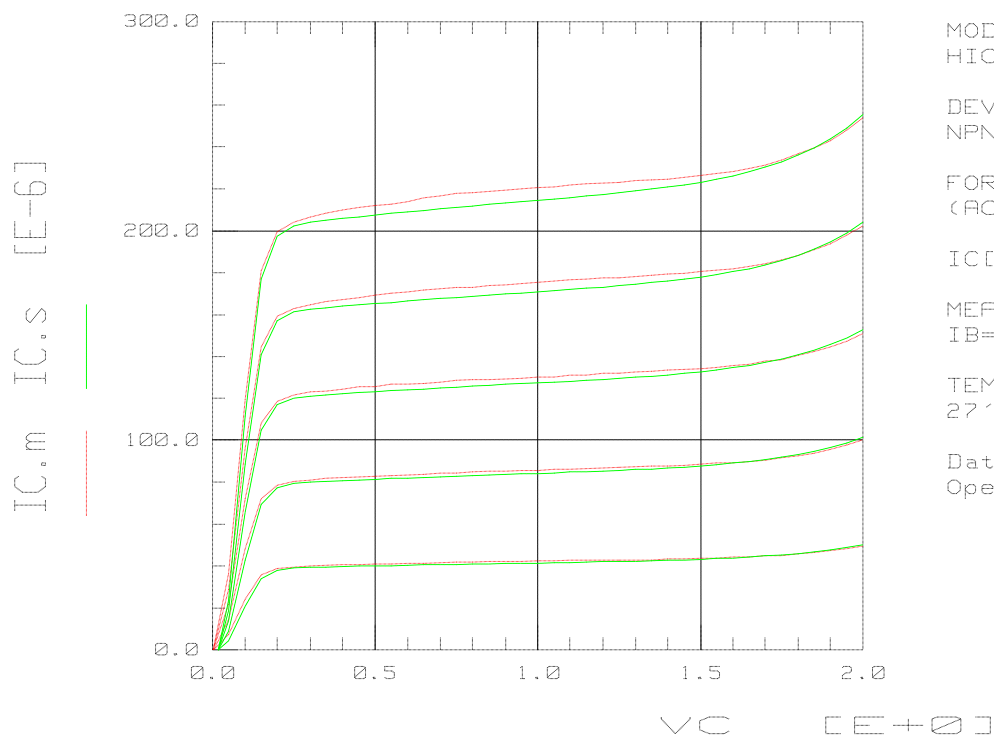
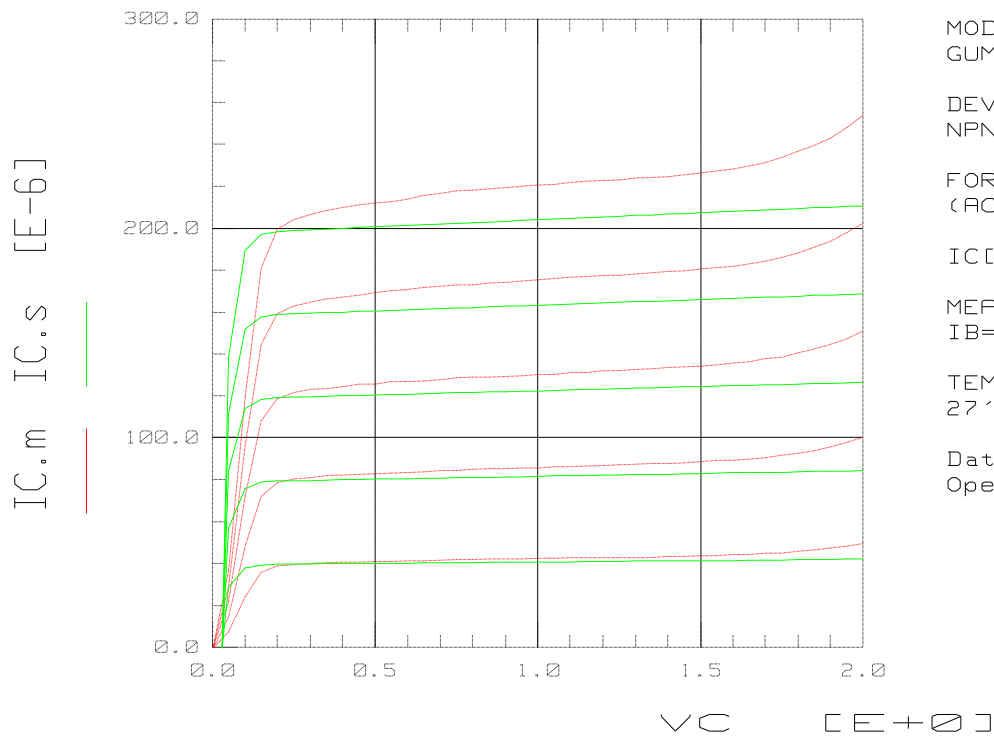
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simulators:Eldo v5.3.1, HPEESOFSIM v150.204, SPECTRE v4.4.6.050301

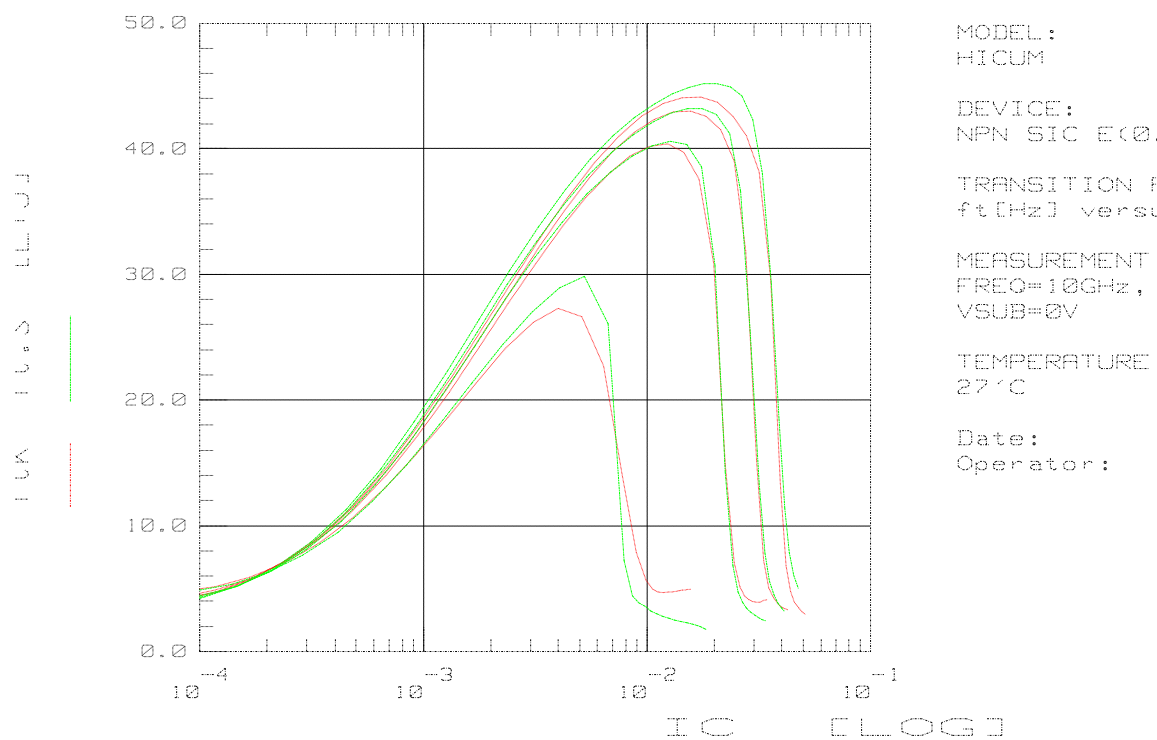
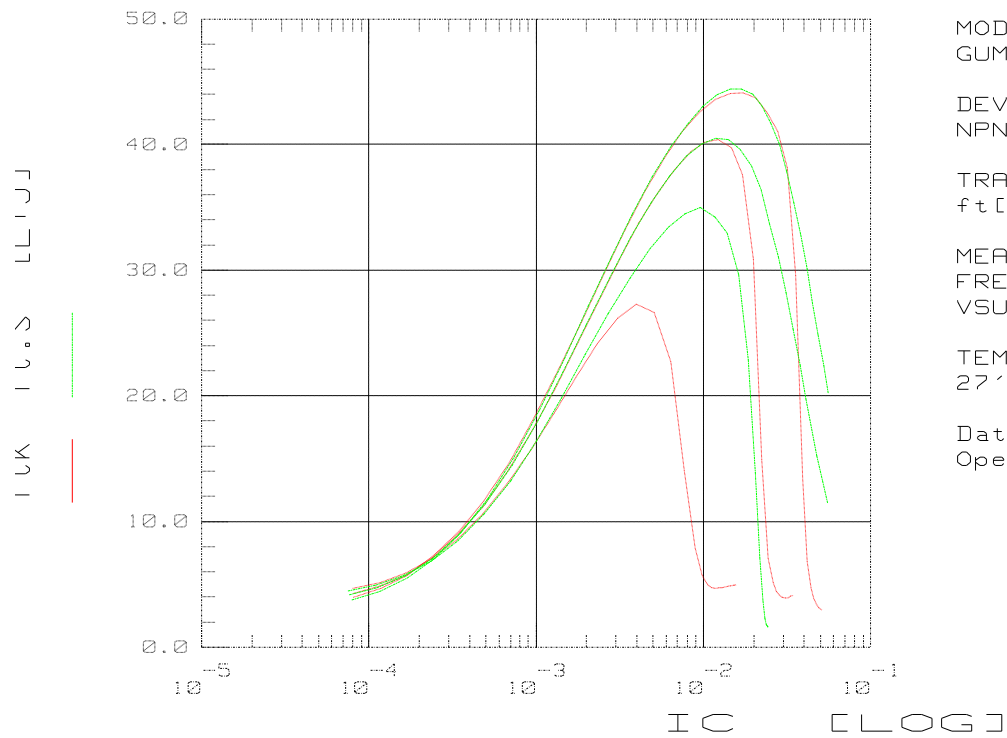
99 extracted models, single device as well as scalable devices

2088 generated models

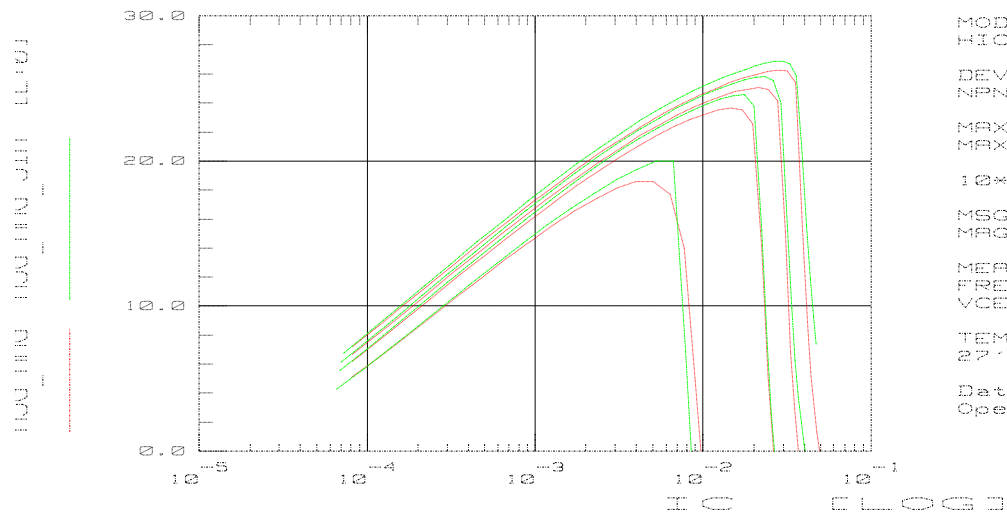
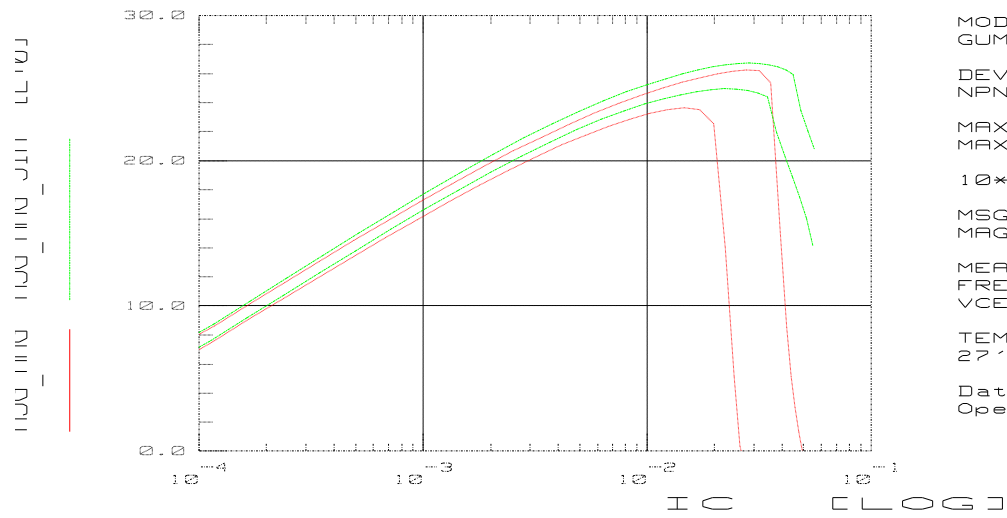
about 1000 pages datasheets



Vergleich Ausgangskennlinien für SGPM und HICUM



Vergleich Transitfrequenz SGPM und HICUM



Vergleich MSG/MAG SGPM und HICUM